


Pennsylvania's new voter ID law could stump students

VOTER IDs

The law mandates that voters must show an ID every time they vote. Make sure you have one so that you can have your say!



According to the Pennsylvania Department of Transportation (PennDOT), a valid ID must have:

- Your Name
- Your Photo
- Expiry Date (and that it's not expired)

Examples of Valid ID: Government-issued ID, Driver's License, Municipality employee ID, Core facility ID, University-issued ID

To get a Dept. of State voter ID:

- 2 COMPLETED FORMS
  - 1. Request for Initial Issuance of State ID for Voting Purposes
  - 2. Application for Initial ID Card (DL-54A)
- +1 SOCIAL SECURITY CARD
- +1 CERTIFICATE (any of these will do)
  - Certificate of US Citizenship
  - Certificate of Naturalization
  - Birth Certificate (with raised seal)
- +2 PROOFS OF RESIDENCE
  - includes lease agreements, utility bills, mortgage documents, W-2 form, or tax records
  - STUDENTS: room assignment paperwork and bill with your dorm room address

= A PROPER VOTER ID!

(you get to vote now!)

CMU Students

Your Andrew ID Card is considered valid for a voter's ID, as long as it's not expired.

If it is expired, or expiring soon, head down to The HUB to renew your ID as soon as possible!

Don't have a proper Birth Certificate?

Complete the **HDD1564F [Request for Certification of Birth Record for Voter ID Purposes Only] form**, which collects information such as birth name, mother and father's name and place of birth. (Available at all Driver Licensing Centers)

Chloe Chia/Junior Artist

JENNIFER COLOMA  
Operations Manager

For the upcoming election, a new Pennsylvania law passed in early August requires that all voters, including students, must present some form of government-issued photo identification at the polls.

The Voter ID Law specifies that the identification used must have a picture and an expiration date. As Carnegie Mellon student IDs have both already, students are allowed to use their student ID in place of a state-issued ID. This holds true for 15 other universities in Pennsylvania, including the University of Pittsburgh. All other universities do not issue IDs that expire. In these cases, the university can issue stickers to put on student IDs to give them expiration dates.

"We're working with universities that issue stickers — because if you have an ID card that expires, it counts, and the stickers expire, so they make the student ID card count," Daniel Walker-Murray, a campus organizer for the Pennsylvania Public Interest Research Group (PennPIRG), said. "We're trying to get them to issue these stickers before the election."

According to the website of U.S. PIRG — the federation of state PIRGs — PennPIRG is one of 47 lobbying groups for college student interests. One of PennPIRG's goals is to get students to register to vote. Its goal for Carnegie Mellon is 1,000 students. Since the Voter ID Law was passed, PennPIRG members have also tried to inform as many students as possible about the new law.

Walker-Murray said that the law hinders a citizen's ability to vote. "We've actually done research and found that it targets three groups: students, the elderly, and the impoverished."

Walker-Murray explained that students don't typically have driver's licenses, so the law affects them in that sense. Those living and working in the city are also greatly affected by this law because they generally use public transportation and don't have driver's licenses, according to University of Pittsburgh law professor Jessie Allen.

Carnegie Mellon students' opinions of the law are split. Some, such as junior economics major Avery Calkins, are uncertain about the implementation. "Personally, I think that it shouldn't go into effect this year because it's really hard to get a government-issued ID," she said. "They should give that time."

Calkins also questioned the efficacy of the law.

"I think that [our ability to use student IDs] has its good and bad points, because it's important for students to be able to vote," she said. "But if the government is really so gung-ho about the Voter ID Law and trying to crack down, then why are they allowing IDs that wouldn't be accepted at the airport?"

Other students, such as first-year mechanical engineering major Nick Gray, support it completely.

"I think it's necessary," he said. "I think people need to prove who they are, and if people are unable to vote because of financial reasons, they should just ask the government for help."

"It seems like an extra hassle," Rachel Fowler, first-year business major, said. "But it also makes sense, because without a photo ID, someone could commit fraudulent voting."

However, Allen said there is no evidence that the type of fraudulent voting this law will prevent even exists.

"There's no evidence, and the state of Pennsylvania admits they have no evidence, that that kind of voter fraud is possible. They even signed a stipulation in the court that, even if this law is not put into effect, this fraud may not even happen. It's all a hypothetical situation," she said.

"I really think that voter ID laws are a solution in search of a problem," she said. "I think certainly they will keep some people from voting."

"Nine percent of the Pennsylvania electoral voters don't have the right ID. That's 750,000," she continued. "Apart from the people that will actually be prevented from voting, the implications of a law like this that has recently been passed will cause a whole bunch of other problems, because people don't know about it."

According to Allen, there is currently a lawsuit to overturn the Voter ID Law.

"This is a case in the Pennsylvania State Court brought by the ESLU Advancement Project, which is the national justification project, and some law firms representing a bunch of Pennsylvanian people," Allen said. "They're [the people] unable to get the required ID and they, and many others like them, will be

See **VOTING**, A3

Margaret Morrison meter restricts campus parking options

BRENT HEARD  
Assistant News Editor

The Pittsburgh Parking Authority has announced that parking on Margaret Morrison Street will now be metered, requiring money from those wishing to park.

Previously, cars could be parked on the street without cost or time limit. Now there is a central meter machine for the street — it costs \$2 per hour with a 10-hour time limit. The parking hours are between 8 a.m. and 6 p.m. Monday through Saturday. Parking remains free on Sundays, and on all other days after 6 p.m. and before 8 a.m.

According to the Carnegie Mellon parking website, meters are monitored by Carnegie Mellon Police Monday through Friday, and by city police on Saturdays.

Michelle Porter, director of Parking & Transportation Services, said, "We really never had control over the actual street."

Porter explained that Margaret Morrison was always a city street, and that "the university had an agreement many years ago," before she was part of Parking & Transportation services.

"The decision was made by the city council and the parking authority to meter the street," Porter said.

David Onorato, executive director for the Pittsburgh Parking Authority, said that metered parking was put in place after the parking authority "did a field study, in which we went to every street because we were going away from single space meters to the new technology."

Onorato emphasized that it is within the city's right to meter parking. "We communicated with Carnegie Mellon Parking," Onorato said. "The street was always under city authority."

Porter said that there have not been many negative effects due to the change.

"We haven't heard of too

many problems," Porter said. However, she said that the change did have a "large effect" on Carnegie Mellon parking.

Porter explained that before Margret Morrison became metered, students used to leave their cars there "for days on end."

Now, students are searching for alternative locations on campus to park their vehicles. "This puts a damper on our parking systems," Porter said.

According to Onorato, with metered prices in effect, the demand for parking spaces on Margaret Morrison street will decrease. This will open up the road for more accessible parking.

"We are doing this to create available parking for as many people as possible," Onorato said. He added, "Price is controlled to dictate parking spaces."

Multiple professors from the Tepper School of Business, whose building is adjacent to Margaret Morrison



Jonathan Carreon/Photo Editor

Parking on Margaret Morrison Street, which was previously free, now costs \$2 per hour between 8 a.m. and 6 p.m. on weekdays and Saturdays, with a 10-hour limit. Parking remains free and unlimited on Sundays.

street, were approached for comment regarding the recent parking changes — but none stated that they parked there regularly, and thus were unaffected by this new metering.

Alex Gerber, a sophomore economics and math major, said, "I think it's a minor inconvenience. The number of cars parking on Margaret Morrison will diminish."

Gerber added, "You might as well park your car in Schenley Park and walk."

Democracy Now! host champions independent media



Jonathan Carreon/Photo Editor

MADelyn GLYMOUR  
News Editor

SARAH HODGSON  
Junior Staffwriter

Investigative journalist, author, and co-founder and host of radio show *Democracy Now!* Amy Goodman made an appearance at McConomy Auditorium last Thursday.

Goodman's lecture, which was part of a tour to promote her book *The Silenced Majority: Stories of Uprisings, Occupations, Resistance, and Hope*, touched on controversial topics like abortion, war, and the upcoming election, but primarily focused on the importance of modern-day independent media.

"Hearing people speak for themselves: There's nothing more powerful," Goodman said. She stressed the importance of a grass-roots media that works to overcome oppressive "corporate media."

*Democracy Now!* airs on WRCT, Carnegie Mellon's student-run radio station. Computer science professor Daniel Sleator, who is part of

the Pittsburgh Campaign for Democracy Now (PCDN) — which brought Goodman's show to WRCT in 2003 — attended the lecture and gave a short opening talk.

"One of the things she emphasized is the need for independent media.... The need for independent, noncorporate media [that isn't] diluting, distorting, and controlling what people see, what people know, what people believe. That was kind of the main theme," Sleator said.

Goodman cited the mainstream media representation of the initial Iraq invasion as an example of the need for independent media. According to Goodman, because the Democratic and Republican establishment agreed at that time, the media did not report the strong anti-war sentiment present in the country.

"You had this extreme press instead beating the drums for war," she said. "The four major nightly newscasts, out of 393 interviews they did

See **DEMOCRACY**, A3



# Statistically Speaking

Today is Constitution Day, the 225th anniversary of the day that the Constitutional Convention signed the U.S. Constitution. In celebration of the day, here are some Constitutional facts:

39

The number of delegates who signed the final draft of the Constitution.

203

The number of years between when the Twenty-seventh Amendment was proposed in 1789 and when it was ratified in 1992. The Twenty-seventh Amendment requires that changes in the pay of Congress do not take effect until after the next Congressional election.

26

The Amendment that lowers the voting age to 18.

35

The number of words in the Constitutionally-required presidential oath of office. The word “swear” in the oath may be switched out for the word “affirm.”

Compiled by  
MADELYN GLYMOUR

Sources: [www.archives.gov](http://www.archives.gov)

## Lecture Preview

### Constitution Day Celebration

Tuesday at 3 p.m.  
Posner Center

Magisterial District Judge Hugh McGough will speak at Carnegie Mellon’s Constitution Day Celebration. McGough is the district judge for Pittsburgh’s East End, overseeing Park Place, Point Breeze, Regent Square, Shadyside, Squirrel Hill, and Swisshelm Park. He won the seat last year, taking over for the now-retired Nathan Firestone. An original copy of the Bill of Rights will be on display at the event.

### School of Art Lecture: Nicholas van Woert

Tuesday at 5 p.m.  
Kresge Theater

Nicholas van Woert will speak as part of the School of Art lecture series. Van Woert is a 2012 visiting artist at Carnegie Mellon. Artistically, he is interested in destruction and how it can be used to achieve goals and create something new. Van Woert’s art refers to events such as the 19th-century attacks on English stocking looms and the industrial sabotage committed by radical environmentalist groups. He is influenced by works like David Foreman’s *Ecodefense: A Field Guide to Monkeywrenching*, a how-to guide for pro-environmental sabotage.

### HCII Seminar: Janet Vertesi

Wednesday at 4 p.m.  
Newell-Simon 1305

Janet Vertesi, a sociology post-doctoral fellow at Princ-

eton University, will deliver a lecture titled “The Social Life of Spacecraft: organization and collaboration on robotic spacecraft teams.”

Vertesi will discuss the decision-making behind robotic spacecraft: how resources are allocated, what the spacecrafts do, and the manner in which they do it.

These decisions are made by an international network of scientists and engineers working on different projects. Vertesi will focus on the example of the Mars Exploration Rover and the Cassini-Huygens Saturn mission, to show the scientific and technological implications of organizational practices.

### Clayton Eshleman

Thursday at 4:30 p.m.  
Gregg Hall (Porter Hall 100)

Poet, translator, and editor Clayton Eshleman will present a talk focused on his book, *Juniper Fuse: Upper Paleolithic Imagination and the Construction of the Underworld*.

The book is a collection of poetry and prose that Eshleman wrote after 25 years of research into the origins of image creation. He focuses his research and writing specifically on Ice Age cave paintings in Southern France.

In addition to *Juniper Fuse*, Eshleman has written two other books of prose, as well as numerous poems and critical essays. He is also a renowned translator of poetry. Eshleman is an emeritus professor at Eastern Michigan University.

Compiled by  
MADELYN GLYMOUR

### CAMPUS NEWS IN BRIEF

## Five SCS graduate students named as Siebel Scholars

Computer science graduate students Sanjiban Choudhury, Ruta Desai, Min Kyung Lee, Martina Rau, and Zeyu Zheng have all been named as some of this year’s Siebel Scholars.

Siebel Scholars are recognized as the best students from graduate schools in the fields of business, bio-engineering, and computer science. The selection criteria are based on academic performance and leadership ability. Each scholar is awarded \$35,000 for his or her final year of schooling.

Choudhury and Desai are enrolled in the Robotics Institute’s master’s program. Choudhury currently researches topics related to autonomous helicopters and

plans to obtain a Ph.D. in robotics. Desai’s research focuses on legged robotics, specifically controls of automated balance recovery after trips or pushes.

Lee and Rau are both pursuing Ph.D.s at the Human-Computer Interaction Institute, with Lee focusing on intelligent interface systems, and Rau researching tutoring systems. Rau won the award for the best student paper at the 2009 International Conference on Artificial Intelligence in Education.

Zheng is in the master’s program in the Language Technologies Institute and is researching domain adaptation, building on his previous work as an intern at Microsoft Research Asia.

## Conducting prize awarded to School of Music alumni

School of Music Alumni Maria Sensi-Sellner and Christopher Fecteau were recently awarded the American Prize in Opera Conducting.

The American Prize recognizes excellence in conducting across several divisions. Sensi-Sellner was awarded the top prize in the university division for her work with the Carnegie Mellon School of Music in last year’s production of Puccini’s *Suor Angelica*. She earned a bachelor’s degree in music in 2002, a master’s degree in music composition in 2007, and another master’s in conducting in 2009.

Sensi-Sellner made her conducting debut with the Akron Symphony last March and currently serves as the

director of the Akron Symphony Chorus and as assistant conductor of the Mendelssohn Choir of Pittsburgh.

Fecteau earned his bachelor’s degree at Carnegie Mellon in 1990 and now works as a vocal coach, pianist, conductor, and arranger in New York City. He was awarded the community division of the American Prize for his work as the artistic director of the dell’Arte Opera Ensemble, a company he founded in 2000.

As a vocal coach, Fecteau has prepared singers for The Metropolitan Opera, New York City Opera, Boston Lyric Opera, and Florida Grand Opera.

Compiled by  
BRENT HEARD

### FEATURE PHOTO

## Students flock to TOC for networking



Alan Vangpat/Senior Photographer

The Technical Opportunities Conference was held in the University Center last Tuesday and Wednesday. The event offered internship and employment opportunities for students, and had 266 companies in attendance.

## Campus Crime & Incident Reports

### Alcohol Amnesty

Sept. 8, 2012

University Police and Carnegie Mellon EMS responded to the Donner House basement for an unidentified and unconscious female lying on the couch. After EMS evaluated the female, it was decided that she should receive a transport to the hospital for further treatment. The female was identified as a student. Alcohol Amnesty applied to this incident.

### Alcohol Amnesty

Sept. 8, 2012

University Police and Carnegie Mellon EMS were called to Mudge House for an intoxicated male passed out in a bathroom. Carnegie Mellon EMS evaluated the male and decided that transport was

necessary. Alcohol Amnesty applied to this incident.

### Alcohol Amnesty

Sept. 9, 2012

University Police and Carnegie Mellon EMS responded to Fairfax Apartments to treat an intoxicated male. The male was treated on scene and then transported to the hospital to receive further medical treatment. Alcohol Amnesty applied to this incident.

### Underage Drinking

Sept. 9, 2012

University Police assisted the Pittsburgh police in extra patrol details that resulted in multiple citations to Carnegie Mellon students for underage drinking on Beeler Street. In addition to citing the students, officers confiscated multiple

containers of alcohol during their patrol of Beeler Street.

### Theft

Sept. 12, 2012

Carnegie Mellon Police took a bicycle theft report from a Carnegie Mellon student who reported that she locked her silver bicycle — model unknown — at the bike rack in the Morewood Gardens Courtyard on Tuesday at approximately 12:30 p.m. On Wednesday, she discovered that the bicycle had been stolen. The bike was valued at \$500. The case is under investigation.

### Vandalism Report

Sept. 10, 2012

University Police were summoned to take a vandalism report in a Wean Hall office. Several items were misplaced and

scattered throughout the office in a chaotic manner. University Police photographed the room and are continuing to investigate this incident.

### Fire

Sept. 13, 2012

University Police responded to a report of a fire at the Beta Theta Pi Fraternity House at 12:43 a.m. A resident of the fraternity house discovered a grease fire in the kitchen and activated the fire alarm pull station.

The student was able to extinguish the fire by utilizing a fire extinguisher. Pittsburgh Bureau of Fire responded, as did Pittsburgh city arson investigators. Preliminary information indicates that there may have been a problem with the grease trap in the kitchen.

### Corrections & Clarifications

If you would like to submit a correction or clarification, please e-mail The Tartan at [news@thetartan.org](mailto:news@thetartan.org) or [editor@thetartan.org](mailto:editor@thetartan.org) with your inquiry, as well as the date of the issue and the name of the article. We will print the correction or clarification in the next print issue and publish it online.



### WEATHER



#### TUESDAY

High / Low  
66 / 50



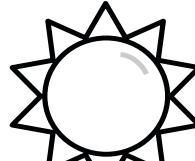
#### WEDNESDAY

High / Low  
64 / 46



#### THURSDAY

High / Low  
69 / 51



#### FRIDAY

High / Low  
75 / 57



#### SATURDAY

High / Low  
65 / 53

Source: [www.weather.com](http://www.weather.com)



# Groups at odds over new voter ID law

# Talk draws crowd

**VOTING**, from A1

unable to vote because of this law and this law violates their constitutional right.

“Earlier this summer, a state trial judge refused to stop the law, saying the plaintiffs had failed to prove to him that this law was unconstitutional and failed to prove that a large number of people would be kept from voting,” Allen explained.

The issue stems, Allen said,



First-year drama student Colin-James Whitney and junior international relations and politics and ethics, history, and public policy double major Daniel Nesbit register to vote.

**DEMOCRACY**, from A1

in the week leading up to and after Colin Powell’s address ... three were with anti-war representatives. That does not represent mainstream America.”

Goodman kept her lecture interesting with anecdotes from her life as an investigative journalist, her time in East Timor, and her arrest during a 2008 Republican convention. She pressed the issue of localization of politics and the danger of unheard voices, implying that dominating corporate ideals reflected through the media are detrimental to the voices of the people.

Sleator said that in particular, Goodman’s anecdotes about seeing the graves of Frederick Douglass and Susan B. Anthony, and Mitt Romney shaking hands with one of the Koch brothers at the Republican National Convention resonated with him.

“She told a whole bunch of stories like that. She’s a very articulate, encyclopedic speaker. She knows so many stories and so much history,” Sleator said.

Attendance at the talk was not limited to Carnegie Mellon students and faculty.

“It looked like a real mix,” Sleator said. “I saw a lot of people who definitely weren’t students also. I saw some people from the Occupy movement. One professor brought his whole class.”

“I was very impressed with the turnout,” said junior vocal performance major Kati Richer, who is a staff representative for WRCT, which hosted the talk. “For me, to see all these people who listen to our campus radio station, it really felt great. The entirety of McConomy was packed. There were people sitting on the stairs.”

Closing out the well-attended and engaging lecture, Goodman said, “I think the media could be the greatest force for peace on earth, but instead it’s wielded as a weapon.”

# Former U.S. Comptroller General lays out economic plan

**SONIA KATHARANI-KHAN**  
*Junior Staffwriter*

“We are on a burning platform, and we don’t have a choice but to make tough choices if we want our future to be better than our past,” said former U.S. Comptroller General David Walker, as he addressed a group of about 30 people who attended his talk on campus last Wednesday.

Walker visited Carnegie Mellon as part of his “\$10 Million a Minute Bus Tour,” which aims to promote fiscal responsibility and present voters with nonpartisan and unbiased solutions to the current financial crisis. The event was hosted by the Heinz College of Public Policy and Information Systems. According to Bryan Tamburro, senior director of strategic initiatives at Heinz College, Walker’s team reached out to policy-oriented schools as a component of its target audience.

The tour, spanning 49 states, is sponsored by the Comeback America Initiative (CAI), which Walker founded and currently heads. According to Walker, the tour is focused on swing states because “the candidates and the media will spend a disproportionate amount of time in the swing states, and they will decide the presidential election.”

“Whichever candidate can convince the American people

that they can do the best job of growing the economy, generating jobs, and putting our finances in order should win,” Walker said. “And let me say at the outset that neither candidate has done an adequate job today of putting out a plan that is comprehensive and credible to do this.”

Walker said that the national debt clock, posted at around \$16 trillion, “understates our problem” and instead presented the “Burden Barometer,” which was over \$70 trillion.

The Burden Barometer was developed by the CAI. It takes into account “total liabilities and unfunded promises” that will soon become deficits or debts if they are not addressed in a timely manner.

“The problem is not where we are, the problem is not where we’ve been, the problem is where we’re headed. We’re headed on a third-world nation path of debt as a percentage of the economy. That cannot be allowed to happen,” Walker said.

Walker said the majority of our money goes to social security, Medicare and Medicaid, and defense. Walker, also the former chief accountability officer and trustee of Medicare and Medicaid, presented a six-pronged plan to fix the economy. Walker’s plan addresses the budget, defense, tax reforms, social security, health-

care, and political reforms.

He proposed several solutions in each category, including increasing the income tax for the wealthy and keeping taxes in place for the lower income population; replacing party primaries with open primaries, resulting in two candidates with the highest number of votes; and addressing unfunded social security and Medicare promises.

In order to successfully avert a financial crisis, Walker said that the plan addressing these areas would need to be “pro-growth, socially equitable, culturally acceptable, mathematically accurate, politically feasible, and receiving full bipartisan support from the opposite party.”

Tamburro said that Walker’s ideas were interesting, but somewhat unrealistic. “I think he definitely did a good job of getting the information out there within the given amount of time. The solutions he presented were good, but actually executing them would be slightly difficult,” Tamburro said.

But Tamburro also said he hoped the talk made people think. “I hope that people are able to break out of their political mindset, because it isn’t a matter of one president, or one term...” Tamburro said. “No matter who wins, these problems are going to exist and they need to be addressed.”

albania

miami

southern cal

campbell

quinnipiac

boston college

brooklyn

new england

florida coastal

tulane

hofstra

etown hall

duquesne

roger williams

northeastern

penn state

mercer

ohio state

northwestern

new hampshire

loyola

fordham

maryland

case western

yeshiva

western new eng

buffalo

denver

new york

north carolina

st. john's

baltimore

dayton

michigan

rutgers

widener

pittsburgh

ohio northern

san francisco

california

kentucky

illinois

cleveland state

notre dame

mississippi college

temple

hamline

vermont

How many law schools can fit in one room?

2ND ANNUAL LAW SCHOOL FAIR

Friday, September 28, 2012 • 8 a.m.-noon • Wiegand Gymnasium

Current juniors and seniors as well as CMU's alumni are invited to Carnegie Mellon's 2nd Annual Law School Fair. Meet with representatives from more than 50 of the country's top law schools right here on campus.


The fair will also offer three informative workshops:

- Evolving nature of the legal job market
- LSAT preparation strategies
- Law school personal statements

For a schedule and to register, visit [tartantrak](#).

For more information, please email Gerry Marnell at [garnell@andrew.cmu.edu](mailto:garnell@andrew.cmu.edu).

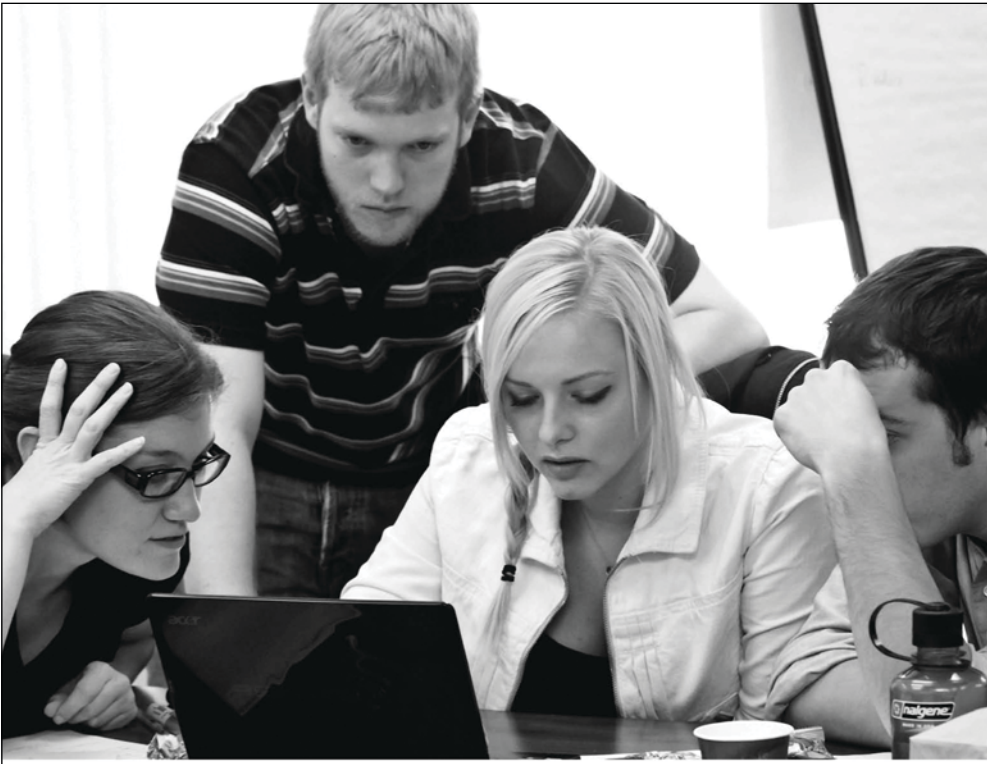
Find out which schools will be the best fit for you and learn about programs and options that are tailored specifically for the Carnegie Mellon student.



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Carnegie Mellon University



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A row of color calibration bars at the bottom of the page, including CMYK and RGB patches.



# Science & Technology

## SCITECH BRIEFS

### Computer learns objects in poorly drawn sketches

Researchers from Brown University and the University of Berlin in Germany have developed a computer program capable of identifying rough sketches drawn by humans in real time.

While computers are already good at recognizing sketches that are accurate representations of their real-world counterparts, rougher and less accurate sketches are more difficult. For example, a non-artist's sketch of a rabbit may feature big buck teeth, big ears, and a cotton tail — a caricature with little semblance to an actual rabbit. While humans may still be able to recognize this depiction, computers are unable to do so without adequate training data.

To overcome this limitation, the researchers first trained their program with over 20,000 human-drawn sketches. Then the team developed a method for users to create drawings while the program attempted to identify them in real time. The program averaged a 56 percent accuracy rating, while humans managed a 73 percent accuracy rating guessing images from the same data set.

Source: *Science Daily*

### New species of monkey discovered in the Congo

A new species of monkey has been discovered in the Democratic Republic of the Congo (DRC). The monkey has a grizzly, blond mane and a cream-colored nose stripe that help distinguish it from its other primate cousins in the area. The species first came to light when scientists found one of the animals being kept as a pet.

Biologists named the new monkeys *Cercopithecus lomamiensis*, after the nearby Lomami river in the monkeys' habitat. They also suggested that other unidentified species may currently be living in this area.

"This discovery may be only the first from this remarkable but poorly known forest, located in the central DRC," said anthropologist Andrew Burrell from New York University, who was involved in the study.

Source: BBC

### Proof submitted for decades-old math conjecture

Shinichi Mochizuki of Japan's Kyoto University has released a 500-page proof of the *abc* conjecture, a significant problem in number theory whose solution has eluded mathematicians for decades. Essentially, the conjecture states that, for positive integers *a*, *b*, and *c* that share no common factors and satisfy *a* + *b* = *c*, then *d*, the product of the prime-number factors of *abc*, is rarely much smaller than *c*. If Mochizuki's proof of the conjecture were verified, it would be the gateway to solving many open number theory problems and significantly impact other aspects of mathematics.

"If Mochizuki's proof is correct, it will be one of the most astounding achievements of mathematics of the 21st century," said Dorian Goldfeld, a mathematician at Columbia University.

However, the verification process may take some time. Mochizuki's lengthy proof uses a highly unconventional approach that even adept mathematicians are not familiar with. "At this point, he is probably the only one that knows it all," Goldfeld said.

Source: *Nature and Scientific American*

### Human stem cells restore hearing for deaf gerbils

Scientists have successfully restored hearing to deaf gerbils using human embryonic stem cells. After treating 18 gerbils that were completely deaf in one ear, the team reported an average 46 percent recovery rate in hearing among the creatures.

Gerbils, rather than mice, were selected for the experiments because they have a hearing range similar to that of humans.

"If this was a human patient, it would mean going from being so deaf as to be unable to hear a lorry or truck on the street to being able to maintain a conversation," said Marcelo Rivolta of Britain's University of Sheffield, who led the research. He noted that human clinical trials could begin in "a few years."

Source: Reuters

Compiled by  
**BENJAMIN MADUEME**

## Incoming vice provost uses music, virtual reality to help stroke victims



Courtesy of Thanassis Rikakis  
Thanassis Rikakis, Carnegie Mellon's new vice provost for design, arts, and technology, previously designed systems to help stroke victims regain the use of their limbs. His work incorporated music and virtual reality with a series of physical motion tasks.

**DANIEL TKACIK**  
*SciTech Editor*

Having spent the last decade designing a virtual system that incorporates music with visuals to help stroke victims regain limb functionality, Thanassis Rikakis isn't a surprising choice for Carnegie Mellon's new vice provost for design, arts, and technology.

Over the past 10 years, Rikakis has served as professor and director of the School of Arts, Media, and Engineering at Arizona State University. With graduate degrees in music composition and psychoacoustics, he has led numerous projects that bridge the arts with technology in attempts to improve the quality of life.

Heading into his new position, Rikakis will place a lot of focus on the future of what he calls "cultural systems" — the interaction between several different aspects of a culture, such as technology and art, to create a unique experience.

"We're talking about the orchestral experience of the future, the drama experience of the future, the literature experience of the future," Rikakis explained. "What we want to do at CMU is recognize that this is happening and begin to put both our educational structures in place so

five years from now we are at the forefront of creating these new cultural systems."

"He brings a wealth of experience and vision to further that mission at our university," Carnegie Mellon Provost and Executive Vice President Mark Kamlet said in a university press release last Monday announcing Rikakis' appointment.

One such cultural system for which Rikakis led the development was an adaptive, mixed-reality rehabilitation system, which aims to teach the mechanics of simple limb motions to stroke survivors. It combines physical movements, as performed by a stroke survivor, with digital feedback in the form of sounds and visuals.

The virtual component — having a stroke victim move his or her limbs and generate movements on a screen — seemed to be only half of the recipe for successful rehabilitation, Rikakis said.

"The virtual world is missing a lot of the physical interactions that our bodies optimize for," he said. "Our perception is critical."

As an example, consider the motion involved in reaching for a cup of water placed on a table. This motion, Rikakis explained, consists of the arm speeding up, followed by

holding that speed, followed by slowing down just before reaching the cup to not knock it over. To give the stroke victims an additional perspective on this motion, notes on a marimba are played speeding up, holding steady, and then slowing down.

The victims are then asked to re-create this sound by moving their arms. Sensors placed all over the arms capture the movement and create sounds in real time based on how quickly or slowly the arms move.

Clinical trials were conducted on this system, and the results were just recently accepted by the journal *Neurorehabilitation and Neural Repair*. Rikakis said the study found that "mixed-reality rehabilitation is an efficient tool for improving movement quality in a sustainable manner."

One may think of the situation in this way: Traditional

physical therapy may result in the stroke victim successfully grabbing the cup of water, but adding in mixed-reality rehabilitation may increase the chances of victims not spilling it in the process.

The collaboration involved in the mixed-reality rehabilitation project is one example of the interdisciplinary work Rikakis hopes to encourage at Carnegie Mellon. The project involved researchers from the fields of rehabilitation medicine, rehabilitation science, psychology, sociology, visual

**“The virtual world is missing a lot of the physical interactions that our bodies optimize for. Our perception is critical.”**

—*Thanassis Rikakis*,  
Vice provost for design, arts, and technology

art, music, computer science, electrical engineering, and bioengineering.

In addition to the new position of vice provost for design, arts, and technology, Rikakis will hold professorships in the School of Design and the School of Music, as well as a courtesy appointment in the department of biomedical engineering.

## HOW THINGS WORK

# Developing vaccines, from cowpox to modern flu shots

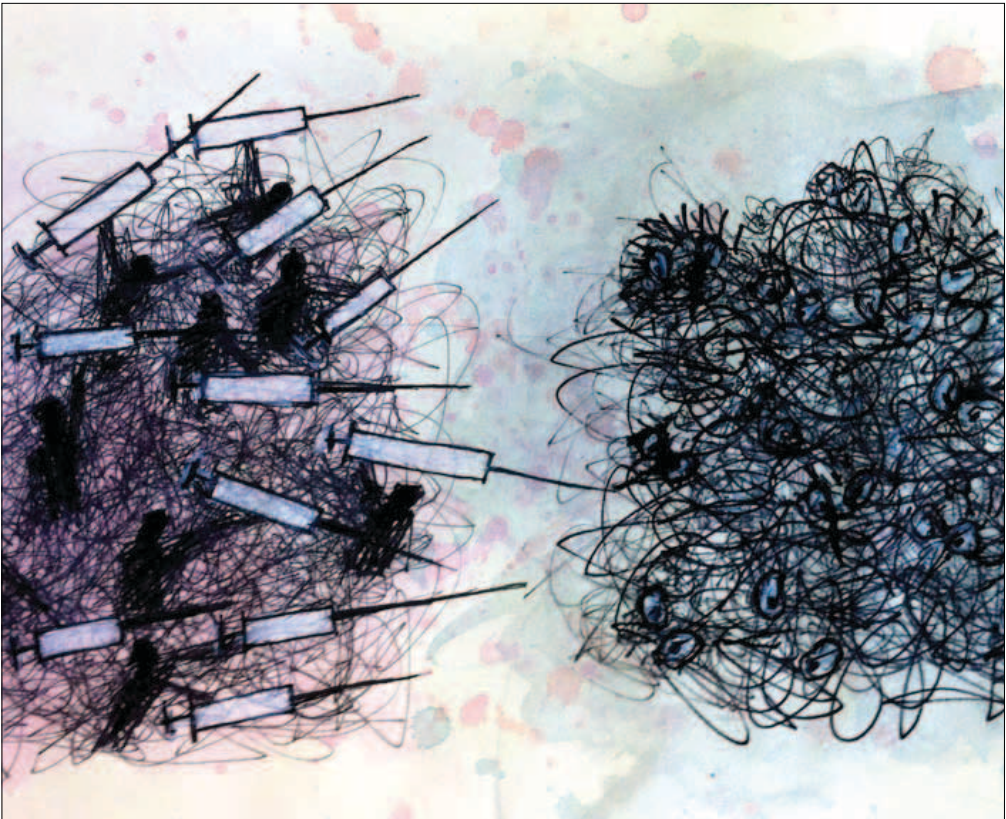
**MICHAEL SETZER**  
*Assistant SciTech Editor*

There's a lot going on in the field of public health and vaccinology. According to NPR, researchers have been working on a vaccine to fight Dengue Fever, and *Scientific American* recently reported on the progress of a preventive medication for HIV. While these might seem more exciting than your annual flu shot, the process of how such vaccines work is complicated and fascinating.

The word for vaccine comes from the root word *vacca* — Latin for "cow." According to the BBC, vaccines were first "discovered" in the 18th century when English physician Edward Jenner observed that milkmaids who got cowpox were immune to smallpox.

Taking advantage of the lack of patient consent laws, Jenner infected a healthy boy with cowpox and then purposely inoculated him with smallpox to test his hypothesis. Fortunately, the boy remained healthy, and vaccines gained some theoretical foundations.

Evolving from gambling with patients to annual flu



Molly Swartz/Junior Artist

shots, however, required more information about the human body. According to Discovery Health, vaccines rely on the basics of the human immune system. When foreign substances such as viruses and bacteria, called antigens,

enter the body, the immune system responds by producing proteins.

These proteins, known as antibodies, destroy the antigens. Antibodies are produced by white blood cells, called lymphocytes or B-cells. Once

the body produces B-cells against a particular antigen, it stores the information for future infections.

Here is where vaccines come in. When someone receives a flu shot or uses a nasal spray, the virus is being

physically inserted. The two categories of viruses are "live" and "inactivated." In live vaccines, scientists create a much weaker version of the antigen before releasing it to the public. These live vaccines can make a few patients mildly ill.

Inactivated vaccines are usually made by killing bacteria in a chemical and then adding pieces of the dead antigen to the vaccine. Allergic reactions to vaccines are very rare, and because the antigen is inactive, there's no risk of becoming ill.

A vaccine is made up of more than just an antigen, however. Many are packaged with chemicals to help stabilize them during distribution. Additionally, those used for multiple doses come equipped with a disinfectant to kill any foreign material that may be inside the needle.

When creating a vaccine, scientists spend a lot of time studying the antigen and how it causes disease in the human body. The vaccines are cultured in live chicken eggs for a few days to incubate. This is why those with egg allergies, for example, cannot receive the flu vaccine.

The testing stage for a

proposed vaccine is long and complicated; it has to undergo years of study to make sure it's effective, and then it must be tested on healthy adults and target demographics. The trials are closely monitored by governmental organizations, such as the Food and Drug Administration or the Centers for Disease Control and Prevention (CDC).

As for the flu shot, scientists are never completely sure the vaccine will protect against a particular strain. The influenza virus mutates hundreds of times per year, so choosing the right strain to fight against is difficult. Fortunately, scientists are often close enough to make an effective vaccine.

As flu shots are already being advertised outside Rite-Aid and Giant Eagle, it may be time to start thinking about getting one. For the upcoming flu season, the CDC says it is especially important for people who hold a high risk of developing pneumonia from the flu, such as those who are over 65, pregnant, or have respiratory conditions.

The CDC notes, however, that everyone over the age of four months should try to get a flu vaccine.





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# Forum

FROM THE EDITORIAL BOARD



Jennifer Coloma/Operations Manager

## TOC registration requires more benefits for students

The line for this year’s Technical Opportunities Conference (TOC) ran out the door, trailed along half of the University Center, crossed the Cut, and finally ended in front of Purnell. In other words, it was quite long. And this was the line for people who had registered *ahead of time*. It stands to reason that, if the registered line was this long, the line for those who did not register ahead of time would be even longer — but the unregistered line was much shorter and faster. The most visible benefit of registering was a preprinted name tag. We’re not sure how much weight future employers put on a snazzy name tag, but it seems that forgoing that luxury would have gotten stu-

dents into the conference and making connections about 20 minutes earlier than their registered peers. And with the 266 different companies that attended the TOC this year, there were a lot of connections to be made. So next year, if the process for registered students isn’t improved, we encourage students to flout convention and just show up at the conference unregistered. Beside the name tag, registration allowed students to submit a digital copy of their résumé for recruiter review. Additionally, registered students were submitted in drawings for giveaway prizes. While the prizes seem fun, being able to submit your résumé is a valuable asset. However, being able to get into the career fair

and meet face-to-face with recruiters can potentially be much more fruitful for your employment opportunities, and students shouldn’t have to risk that face time for added perks. With so much going on during the week of TOC, and with registration currently providing little overall benefit to students, they should forgo the registration process in the future. Students are striving to network and make an impression in order to land that dream job, and registration currently hinders that. Unless the registration process is revamped by the appropriate organizations in order to better serve the needs of these students, most people should skip it and focus on the rest of the career fair.

## Further improvements needed for Pittsburgh cyclists

Pittsburgh cyclist Colin Albright was the victim of a bizarre outburst of road rage. On Sept. 7, a driver — whom Albright speculates he may have accidentally cut off in traffic — followed him by car, chased him on foot, and then sliced and stabbed him with a small hunting knife. While this is a particularly violent example of the tensions between cyclists and drivers, it’s far from being the only dangerous interaction that’s happened in Pittsburgh. This summer, two cyclists were killed and another was critically injured by motorists, all of whom drove away from the crime scenes. Given that Pittsburgh has plenty of college students and a less-than-robust public transportation system,

the cyclist population is bound to keep growing. But the number of accidents will only increase if Pittsburgh doesn’t find a way to accommodate those who get around by bicycle. Safety concerns aren’t the only reason why Pittsburgh should become more bicycle-friendly. For years, the American Lung Association has identified Pittsburgh as one of the most air-polluted cities in the country. One of the easiest ways to decrease the amount of air emissions would be to incentivize people to ride bicycles rather than drive to their destinations, and having designated bike lanes would make people feel more comfortable about cycling. There have been some positive

steps in the right direction: There are an increasing number of streets in Pittsburgh with designated bike lanes, and Pittsburgh’s Climate Action Plan, which was published in February, includes several cycle-centric ideas on how to make Pittsburgh a more bike-friendly city, such as creating more sheltered bicycle storage areas. Carnegie Mellon has also been working to improve conditions for cyclists — the 2012 Master Plan includes a proposal to create bicycle lanes in front of campus on Forbes Avenue. We hope that the city and Carnegie Mellon make these initiatives a priority in order to prevent more deadly incidents.

## Kluwe demonstrates changing attitude in pro sports

Yahoo! Sports acquired and published a letter from Maryland politician Emmett C. Burns Jr. to Baltimore Ravens owner Steve Bisciotti on Sept. 6. The letter requested that Bisciotti prevent Ravens linebacker Brendon Ayanbadejo from further publicly supporting same-sex marriage, specifically a ballot initiative in Maryland to legalize it. Burns requested Bisciotti to “take the necessary action, as a National Football Franchise owner, to inhibit such expressions from your employee....” The audacity of the request has not gone unnoticed. It gained publicity thanks to an open letter to Burns from Minnesota Vikings punter Chris Kluwe, published by *Deadspin.com*.

The letter, despite being full of profanities and obscenities, demonstrates the flaws and inherent injustice that Burns suggests in restricting a U.S. citizen’s First Amendment rights. However, Kluwe’s letter also changes the public face of American professional sports. The perception of professional sports in the U.S. is one of entertainment, competition, and masculine bravado. This traditional masculine persona often seems at odds with developing attitudes toward homosexuality and gender roles in America. While there has yet to be an openly gay athlete in the NFL, Kluwe’s letter is inspiring and indicative of how at-

titudes in the industry are changing. Kluwe’s remarks foreshadow a time when “It Gets Better” videos and movements will no longer be necessary; when people are treated equally regardless of sexual orientation. The fact that Burns’ letter attacked freedom of speech as well as the right to marriage shows how fear and intolerance are constantly at odds with these basic human rights. The U.S. was formed from the first principle, and now it is only a matter of time until it accepts the second. Support, especially from those regarded as American role models like Ayanbadejo and Kluwe, will help move marriage equality toward greater acceptance.

## Reform necessary for cheating punishment

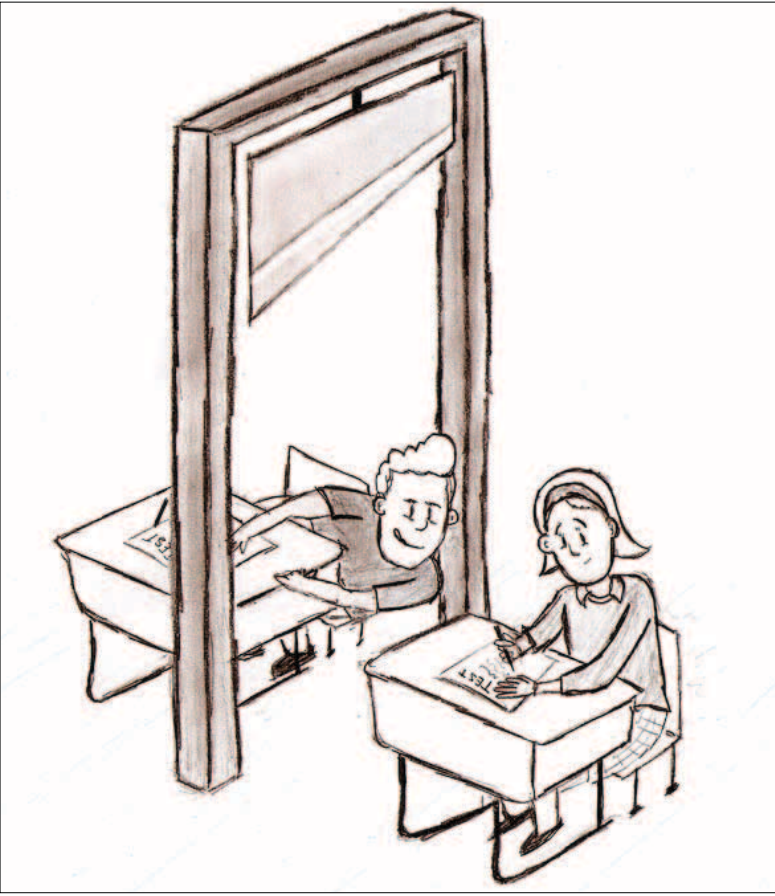
CHLOE THOMPSON  
Junior Staffwriter

A cheating scandal at an esteemed academic institution is once again making headlines. One hundred and twenty-five Harvard University students were accused of cheating on a test for a class called Introduction to Congress last spring, according to a recent article in *The New York Times*. The exam was a take-home test, and the students were told that they could use any internet resources they wanted. However, they were told not to discuss the test with each other. The students caught cheating face disciplinary action, such as year-long suspensions, and those who have already graduated could have their diplomas rescinded. Professors and students alike have expressed deep outrage at such fraudulent behavior, especially at a school like Harvard.

cut corners or come up with excuses that were artful pieces of fiction. It’s normal. That doesn’t mean it’s okay, but it does mean that students who are caught cheating aren’t automatically demons, to be cast out of our illustrious institutions with a complimentary public shaming. Universities are in an interesting bind, especially when it comes to students who have already graduated, because the universities simultaneously lack power and have too much. A university can suspend a current student who is caught cheating or prohibit them from participating in activities, because it has immediate power. Students who have already graduated are out of a university’s reach, for the most part — unless the university decides to take that all-important diploma back. This destroys a student’s ability to get a job or go to graduate school. Yes, the cheating students made a mistake, but one mistake shouldn’t mess up the rest of their lives, especially considering that few of the students in question were accused of plagiarism, but rather of collaborative cheating. Both plagiarism and collaborative cheating break the rules, but the former demonstrates a complete lack of consideration for the class, while the latter can demonstrate an actual attempt to learn. No one really knows if the students involved were trying to collaborate, or just copying work from friends. But even if they were copying work, does that make it okay to wreck their chances of having a successful life after school?

First off, the idea that cheating is somehow worse or more surprising because it’s at Harvard is completely absurd. Whether it occurs at Harvard, Carnegie Mellon, or Greendale Community College, cheating should be treated in the same manner. Cheating becomes even harder to handle when universities classify some forms of collaboration as cheating. The line between collaboration and cheating is hard to distinguish, mostly because collaboration can be helpful and sometimes the best way to learn. But the fact remains: The students were told not to talk to each other about the test. Even if their interactions were honest collaborations, they were cheating. In an ideal world, professors could hand out take-home tests and know that their students would not cheat; this would save class time for lectures instead of exams and preserve the integrity of the university. Universities should expect all of their students to live up to a standard of honesty, but that is unrealistic. Everybody cheats, and if they haven’t, they probably didn’t treat a class with as much consideration as it deserves. I haven’t cheated on a test — except that one time in second grade when I totally tried to copy answers on a math test; sorry I forgot to mention it, Carnegie Mellon. But I have

Harvard is threatening to hang these students out to dry because publicly disciplining them serves the twofold purpose of purifying the school’s name and discouraging other students from trying a similar trick. But punishing students who get caught doesn’t mean that the university is free of cheating, because everyone has, more likely than not, done something morally questionable over the course of their academic careers. The school shouldn’t just let it go, but lambasting the students doesn’t cleanse dishonesty from an institution. Doing that would require a much deeper revamping of the way we look at school and the way we value hard work throughout the country.



Josh Smith/Forum Editor

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## THE TARTAN



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# Modern education undermined by creationism

LUKE MASA  
Junior Staffwriter

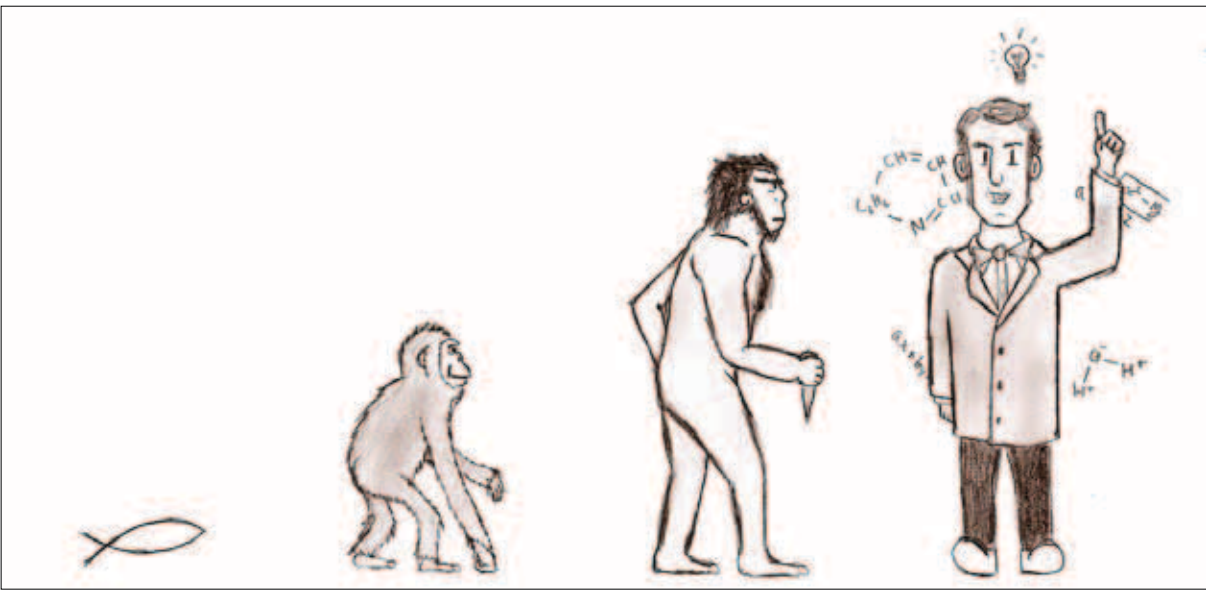
The rumors of educational television host Bill Nye’s death have spread quickly. But no, the Science Guy who made many of our childhoods better is still alive and kicking. Suspiciously, such rumors of his untimely demise began several days after a Big Think video featuring Nye was released online.

In this video, Nye expresses his concern that parents are forcing their children to learn unsound or scientifically dubious things such as creationism, which, as an educator, concerns him greatly.

Nye implores viewers to make sure kids develop the critical thinking skills necessary for not just STEM (science, technology, engineering, and mathematics) fields, but also for a generally better-informed populace. These wishes were met with derision from the creationist community, with multiple response videos appearing right around the same time as the death rumors.

Ken Ham, the president of Answers in Genesis and the Creation Museum, replied with perhaps the most aggressive attack, claiming that Nye was an engineer who shouldn’t be commenting on an area outside of his expertise. Ham made a distinction between “historical” and “observational” science, a distinction that I personally have never heard of.

Ham uses this distinction to reconcile the undeniable fact of natu-



Josh Smith/Forum Editor

ral selection with his beliefs in a 6,000-year-old earth and the implications therein.

Ham ultimately shows his own character by attacking Nye’s; Ham repeatedly refers to Nye not by his popular moniker, but as a “humanist guy.”

Now, as a humanist, I would find being called that not an insult, but rather a statement of fact. In Ham’s worldview, though, it is definitely bad. It represents someone who denies everything Ham affirms and affirms everything he denies.

The exchange between Ham and Nye is ongoing, with the creationist side challenging Nye to a formal debate. Most on the side of the skeptics

seem to agree that such an endeavor would be fruitless, but we’ll see if Nye accepts the challenge. This incident speaks to a broader issue, though: namely that creationism seems to be in its death throes. When a beloved children’s educator and entertainer is no longer above attacks, one can tell there’s not much left for creationists.

Creationism is a self-destructive and self-defeating worldview because it tries to force a Bronze Age understanding of the world onto our modern understanding.

It attempts to reconcile irreconcilable differences to legitimize itself, but after this incident, it is clear to me that there is no way I can think of creationist theories as legitimate

in any sense. I’ve observed that delusion of this level exists not only in the U.S. in fundamentalist Christianity, but also in religious fundamentalist sects throughout the world.

One can hope that as progress becomes ever-more inescapable and as modernity continues to wash away prejudices and preconceived notions, we as humans will be able to look back.

We will look back and realize that adopting the system with built-in self-correcting measures is always a safer bet than trying to fit a round peg in a square hole. I am confident that our generation will be the one that finally embraces science and secularism over tribalism and tradition.

# Campus forgets Sept. 11

HANNAH DELLABELLA  
Junior Staffwriter

Most Americans can remember exactly where they were on the morning of Sept. 11, 2001. Eleven years later, some people can go about their days without even realizing that 9/11 has come again.

Then, there are those that cannot forget; because their loved ones never came home after that morning; because they ran from the clouds of dust as the World Trade Centers collapsed into heaps of debris; because they selflessly put their lives on the line to volunteer at Ground Zero; because they knew someone in the towers, in the Pentagon, or on the planes.

These people will never forget. The 11th anniversary of 9/11 has come and gone, but the Carnegie Mellon community did not stop, even for just a moment, to reflect on this tragedy.

My father was a volunteer at Ground Zero. I still live with the fear that he will develop cancer from the dust he inhaled while on site. My mother’s cousin worked next to the World Trade Center. She fled, terrified and covered in rubble, on that morning 11 years ago.

**While not everyone at Carnegie Mellon was personally affected by these tragedies, we still need to take the time to commemorate the victims and heroes of 9/11.**

To this day, she cannot bring herself to return to New York City.

My best friend’s aunt was not as lucky. Neither was my neighbor or the father of my brother’s friend.

My experiences are not unique. So many people were affected by the tragedy of 9/11; so many people still feel the grief deep in their bones.

Had I known earlier that there were no events planned to commemorate 9/11, I would have taken it upon myself to organize a small candlelight vigil or some other appropriate memorial. But I thought that the Carnegie Mellon community would have some sort of memorial, as we’ve had in prior years.

While not everyone at Carnegie Mellon was personally affected by these tragedies, we still need to take the time to commemorate the victims and heroes of 9/11.

As a nation, we vowed to never forget. But I am saddened to see that Carnegie Mellon has already started. Next year, I hope that the campus can come together to remember 9/11.

# Younger undergrads shouldn’t fear BOC/TOC

Braden Kelner  
BRADEN KELNER

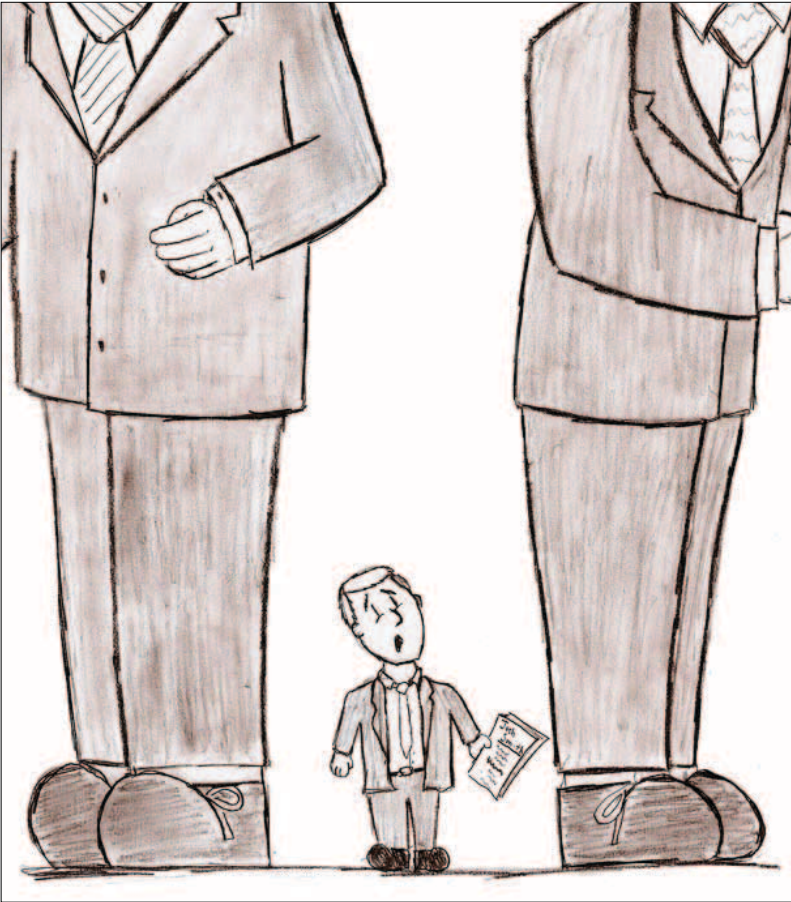
Dressed in suit jackets, pleated pants or dress skirts, and black shoes, students have pained looks on their faces; stress and mild anticipation etched onto the taut skin over their foreheads.

It’s that time of year again. The Technical Opportunities Conference (TOC) and the Business Opportunities Conference (BOC) — two of Carnegie Mellon’s networking opportunities for the fall semester — stormed through campus last week, bringing with them a variety of recruiters from across the country.

And, as tradition dictates, first-years and sophomores jumped on the chance to complain about the lack of opportunities provided to them at these conferences. Recruiters don’t take them seriously; nobody will consider their résumés; it’s pointless to go, they say.

While these complaints are justified — recruiters look for students immersed in their major’s coursework with previous internships — and many first-years and sophomores will not land an internship through the conferences, going to them is not a waste of time.

If you’re a first-year or sophomore, you may receive some snarky comments from an uptight recruiter. You might even be dismissed by them after revealing your undergraduate status. Nevertheless, attending the conferences is a good experience.



Josh Smith/Forum Editor

Not only do they allow you to get your foot in the door, but they also give you the chance to refine your résumé and hand it out. Even if recruiters don’t take the document seriously, you gain experience from writing a résumé and approaching recruiters about your interests in their companies.

You can also take the opportunity to see how the conferences work — dressing up and experiencing the

lines and booths. By the time you’re able to seriously pursue an internship or job at the TOC and BOC, you’ll be a seasoned veteran at the game. You can also experience the phenomenon of an uninterested company so you aren’t flustered if it happens your junior year. On the other hand, it never hurts to experience elation at a company’s impressed remarks.

Attendance at the conferences also allows you to scope out the job

market — and the competition. Many companies consistently show up to the TOC and BOC. This gives you the chance to eye those that capture your interest. You can then work toward making yourself marketable to those specific businesses in the future.

As a result, you’ll be able to enter the job fairs in later years with a focused mind and experience. Going to the career fairs early also provides the opportunity to see what type of internships or jobs peers are applying for. Try to notice what makes them stand out to recruiters and use this knowledge to shape your own skill sets.

You might even be surprised by a call from a recruiter after the fairs. Plenty of sophomores make it to the first round of interviews or further for a company they expressed interest in, with many landing internships the summer after their sophomore year. Once you’ve been contacted by a recruiter, the job or internship is fair game.

Even though the TOC and BOC have come and gone, more job fairs are on the way. The Employment Opportunities Conference takes place Oct. 11, with about 150 organizations out to snatch up some new recruits. Don’t downplay the importance of the job fairs on campus: There are opportunities for every level of experience there, even if they may be hidden behind the intimidating number of recruiters seemingly looking for people with more experience.

*Braden Kelner (bik@) is a staffwriter for The Tartan, and was shot down by a variety of companies at the TOC this year. And he loved every second of it.*

# A PERSON’S OPINION

Compiled by Jennifer Coloma

Lunar Gala model auditions were last week. So we asked,

**If you had a modeling face, what would it be called?**



**Zhenjiang Gong**  
ECE  
Master’s

“Smile.”



**Nicole Bozzell**  
Chemistry  
First-year

“The Tiger.”



**Chiedozie Okafor**  
MechE  
Master’s

“Confidence.”



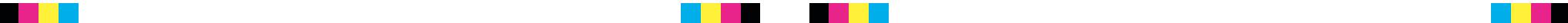
**Lindsay Coda**  
Drama  
First-year

“Really?”



**Hoon Choi**  
Psychology  
Junior

“Blue Steel from Zoolander.”





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# Women’s soccer victorious

ALEX TAPAK  
Sports Co-Editor

Six games into the season and the Carnegie Mellon women’s soccer team remains undefeated, with a record of 4–0–2. On Tuesday, the Tartans were victorious over Washington & Jefferson College with a score of 4–1. This past Saturday, the Tartans hosted the Kenyon College Ladies, whom they defeated 3–0.

In the game against Washington & Jefferson, the Tartans’ position and pressure forced their first goal off an opposing defender and pushed the score to 1–0. Shortly thereafter, junior defender Brittany Couture scored another goal for the Tartans.

It wasn’t until the second half of the game that the Tartans scored again. This time,

senior midfielder Katie Davis pushed the ball into the net, bringing the Tartans to 3–0. With 12 minutes left in the game, sophomore forward Courtney Brant scored, bringing the team to a final score of 4–1.

In the Tartans’ shutout against the Kenyon Ladies, junior goalkeeper Anna Albi made five saves to keep the Ladies from scoring throughout the game. However, the Tartans were unable to score during the entire first half.

But just five minutes into the second half, junior forward Alex Venegas scored on senior midfielder Stephanie Hare’s pinpointed pass just inside the 18-yard box.

Sophomore midfielder Lucy Havens then scored her second goal of the season on a header after Couture sent in a cross from the right sideline, which brought the Tartans’

lead to 2–0.

Bringing it home for the Tartans with three minutes left in the game, sophomore forward Savina Reid scored the third and final goal of the game, heading in sophomore forward Courtney Brant’s corner kick.

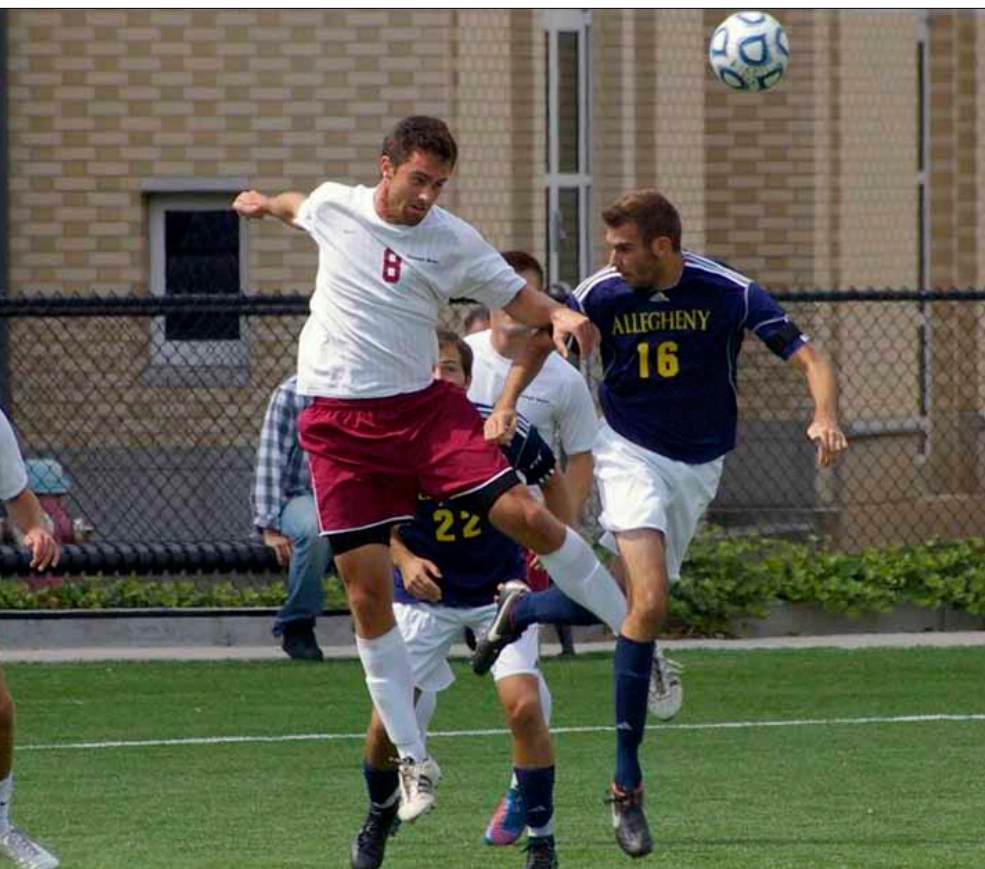
“It’s been a real team effort, and we’ve really pulled together since last year. I am really excited with how well we are playing and to get into UAAs,” said senior forward Brianna Magill.

The Tartans will travel on Wednesday to Meadville, Pa., to face Allegheny College at 4:30 p.m. Last season, the Tartans defeated the Gators 2–1 in a tightly contested match with the game-winning goal coming in the 94th minute by junior defender Rachel Contopoulos. The Tartans look to continue this season’s success.



Alan Vangpat/Senior Photographer  
Sophomore forward Savina Reid (No. 21) scored the third and final goal of the game at the end of the second half, heading in a corner by sophomore forward Courtney Brant.

# Men’s soccer 5–1 overall



Greg Hanneman/Staff Photographer  
Senior forward Alex Abedian (No. 8) has scored twice this season, leading the Tartans to a 5–1 start.

CARL GLAZER  
Staffwriter

The no. 7 ranked Carnegie Mellon men’s soccer team played the Allegheny College Gators on Saturday, winning with a score of 2–0.

This win moved the team’s overall record to 5–1 for the season.

The Tartans began applying pressure early, and in the ninth minute, the team’s aggressiveness paid off.

Carnegie Mellon attacked the Gators’ defense with a series of passes until junior Scott Gerfen centered the ball across the box to senior John Crawshaw, who then took aim at the net. The one-timer was blocked by the Allegheny keeper, but the ensuing deflection went right back to Crawshaw. He took advantage of this second

opportunity and put the ball in the back of the net.

Despite the Tartans’ aggressive play and continuing pressure, the score remained 1–0 at the half.

Coming out of halftime, the Tartans did not let up and continually occupied the Gator’s half of the field, resulting in five corner kicks in the second half.

The first of these corners, taken by senior Ben Bryant, led to a shot by Crawshaw off junior Chris Wysocki’s header that was ultimately blocked by the Gators’ defense.

The Tartans’ constant aggression finally paid off when junior Matt Sarett found the back of the net in the 83rd minute to give Carnegie Mellon some breathing room. Sarett served the ball up to junior Max Tassano, who went up for a header. Tassano

missed with his head, but the pass went through the Gators goalkeeper’s hands.


The Tartans earned their third shutout of the season with junior Christopher Madden recording the win in goal.

“It was another great win for our team. After a tough loss last year to Allegheny, which ended 3–2, we felt there was a sense of redemption this season. They only amounted two shots on goal, which shows how great our defense played,” Bryant said.

Carnegie Mellon plays on Tuesday at home against Washington & Jefferson College at 7 p.m.

“We’ll beat Washington & Jefferson by being aggressive and dominant on defense and in the midfield while staying creative and persistent in the offensive third,” said senior forward Alex Abedian.

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The members of Upsilon of Pennsylvania, the Carnegie Mellon University chapter of the Phi Beta Kappa Society, are pleased to recognize and congratulate the following seniors who have been elected to Society membership, and who will be initiated into the Society on October 4, 2012, 5:00pm, Danforth Lounge, University Center:

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Wendy Li  
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Ruth Tane  
*(Decision Science)*

Jennifer Tharp  
*(Ethics, History and Public Policy)*

Courtney Wittekind  
*(Anthropology and Art)*



# Sports

## Football offense dominates whiteout, rakes in 35 points

ADAM GRUBER  
Sports Co-Editor

In high school fashion, the Tartans football team took the field on Friday night in front of a rowdy crowd, unified in the theme of “whiting out” at Gesling Stadium. The Tartans took on the Catholic University Cardinals.

Senior running back Jared Delello set the tone early with a 42-yard run, allowing for his one-yard touchdown on a draw up the middle two plays later. That gave

the Tartans an early 7–0 lead. Delello led the rushing game, putting up 74 yards on 12 rushes for two touchdowns.

After a Cardinals field goal, the Tartans managed to score another quick touchdown on their next possession. Junior quarterback Rob Kalkstein launched a 65-yard pass to sophomore wide out Timothy Swanson

for a touchdown. The pass by Kalkstein was his third touchdown pass for 50 or more yards in consecutive games.

Kalkstein found the end zone again, connecting with the team’s leading receiver, junior Tim Kikta, for a 28-yard touchdown completion, the third straight game the two connected for a touchdown pass. The score then sat at 21–10.

The Tartan offense was potent, racking up 453 yards of total offense to best the Cardi-

nals’ 396 yards.

Carnegie Mellon head coach Richard Lackner got clever with the play strategies at the end of the second quarter, calling for a double pass. Kalkstein hit junior wide receiver Colin Lang for the fake screen, as Lang then hit senior running back Jake Nardone for the 43-yard completion. The fancy play set up Kalkstein’s third touchdown, as he connected with senior running back Patrick Blanks on

the crossing route to bring the score to 28–10.

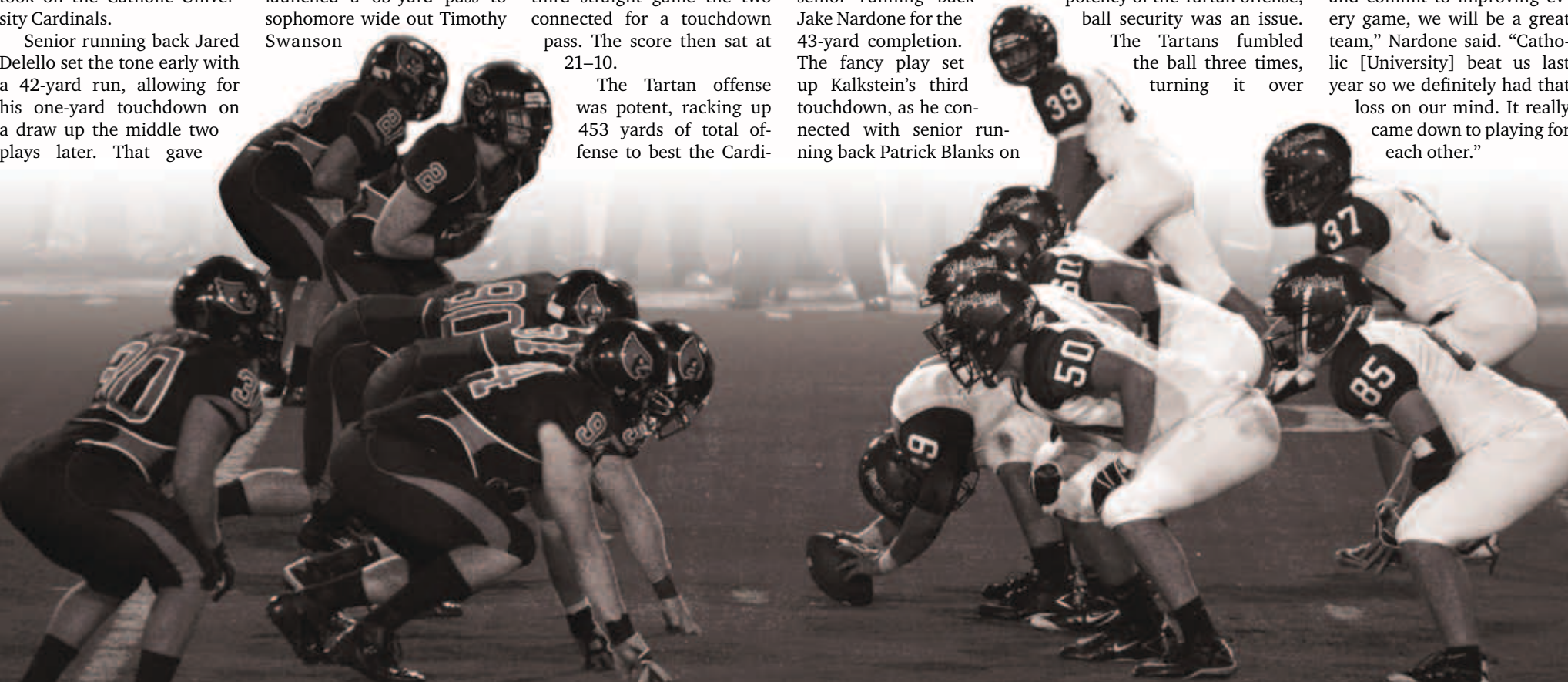
Delello scored his second touchdown in the second half, and the Cardinals converted on a late touchdown to bring the game to its final score, 35–17.

Despite the high scoring potency of the Tartan offense, ball security was an issue. The Tartans fumbled the ball three times, turning it over

twice.

However, the Tartans executed their game plan effectively and were able to find the end zone many times to put the game out of reach early.

“Our focus for every game is the same each week. We know that if we play as a team and commit to improving every game, we will be a great team,” Nardone said. “Catholic [University] beat us last year so we definitely had that loss on our mind. It really came down to playing for each other.”



The Tartans' offense was nearly unstoppable against the Catholic University Cardinals, scoring 35 points and racking up 453 yards of total offense, led by senior running back Jared Delello's two touchdowns.

## Tartan volleyball wins three of four at CMU Invitational

SARA GUO  
Junior Staffwriter

The Tartans hosted the St. Vincent College Wildcats in their first volleyball home match last Tuesday. The score was close throughout the first game, but the Tartans pulled away with a 28–26 win. Carnegie Mellon cruised through the second and third games with scores of 25–14 and 25–18, respectively. After its victory over the Wildcats, the volleyball team improved its overall record to 4–6.

Sophomore right side hitter Ali Celentano had 14 kills, while sophomore libero Ali Nichols picked up 28 digs. Junior setter Emily Wright led the team in assists with a total of 33.

“It was our first home game, we were all really excited for it,” Wright said. “The first game was a little rough; we were a little nervous. But in the next game we just got down to business and cut down on our errors, which made the game go by a lot faster.”



Junior setter Emily Wright (No. 6) picked up 22 assists and eight digs at the Carnegie Mellon Invitational.

The Tartans also hosted the Carnegie Mellon Invitational last Friday and Saturday, pushing the team’s overall record to 7–7.

Carnegie Mellon played its first match of the Invitational against the University of Scranton, where the Tartans picked up a 3–0 (25–21, 25–18, 27–25) overall win. Junior outside hitter Senna Parsa had nine kills, seven digs, and two blocks. The second

match was played against Johns Hopkins University, where Carnegie Mellon lost 3–0 (25–22, 25–18, 25–22).

“I think we’ve increased our ball control a lot, so I think that’s a really big strength,” said head coach Kim Kelly. “We also have some really nice outside and right side hitters. I think we have a good all-around floor right now, which is nice.”

On the second day of

the Invitational, the Tartans played their first match against the University of Pittsburgh at Greensburg.

Carnegie Mellon gained a 3–0 (25–12, 25–22, 25–7) victory. According to Kelly, Celentano had the game of her career against Pitt-Greensburg, where she hit .875 with 14 kills.

Celentano believes much of her success comes from the support she receives from her teammates.

“Team chemistry is really important,” Celentano said. “Especially with volleyball — it’s a huge mental game, so you need your teammates to help pick you up. We’re all really close.”

The Tartans ended the Invitational with another 3–0 (25–12, 25–22, 25–17) overall win against Elmira College.

This weekend the volleyball team will travel to Huntingdon, Pa., to play in the Juniata Invitational.

“I look forward to seeing them grow as a team and become more cohesive,” Kelly said. “From weekend one to now, I can see the gelling of everything; it’s actually coming together.”



The Tartans' success at the CMU Invitational brought the team to .500.

### ATHLETE PROFILE

## Hare brings spark to Tartans

ALEX TAPAK  
Sports Co-Editor

As a senior midfielder on the women’s soccer team, Stephanie Hare is proud to be a Tartan. “Being able to wear the Carnegie Mellon name on my jersey and around the country is extremely rewarding. Only a few people can say that they represent such a great school as an athlete,” she said.

Hare came to Carnegie Mellon after her first-year, transferring from Miami University of Ohio, where she played Division I soccer. “Transferring was a lot easier than I expected. It was a risky decision to switch schools, but I could not be happier that I made the move. Things seemed to fall into place soon after I got to school with help from [head coach] Yon and the team,” Hare said.

Changing from Division I to Division III is a big change for a student athlete. “For me personally, I like D-III a lot better. It fits what I am trying to get out of my college athletic career. The big difference for me is having a good balance between academics and athletics here at CMU,” she said.

Since transferring, she’s found the team to be an integral part of her life. “I have made my best friends on the soccer team and they have become family. I love spending all my time with them and also working together on the field for each other. I also enjoy the challenge of the UAA and the road to accomplishing the goals that we have set for each other this year,” Hare said.

The women’s soccer team has set many goals this year, and Hare has a few of her own challenges she wants to overcome.

“Being a senior, I want to have the best season of my life. My goal is to help lead the team to the post-season. I want to walk off the field at the end of my last game with no regrets and knowing I gave everything I could to my teammates and the program. I believe in this team and what we can accomplish this year,” she said.

Hare believes the women’s soccer team’s camaraderie is second to none, and will be essential to having a good

season. “I’m extremely proud of how we have come together as a team this year. The chemistry is much better than past seasons and is really exciting to be a part of,” she explained. “This bond is what will make

“My goal is to help lead the team to the post-season.”

—Stephanie Hare  
Senior midfielder

our team do great things this year. We are playing for each other... and with that attitude we can beat anyone.”

Part of the team’s togetherness comes from the bonding during preseason. “Every year during preseason, we find ourselves thinking of things

that we would rather do than run a fitness test. We get very creative with our ideas and it makes the long days of preseason a little better,” Hare said.

Hare is finishing her bachelor’s degree in biological sciences, and plans to graduate in May. “I am keeping my options open currently. Medical school is still an option for me, but I am looking to get some experience under my belt in the workforce before I settle down in a graduate program. Also, I love to travel so hopefully there will be some cool trips in my future,” Hare said.

Despite her hopes to travel in the future, she has already begun to fulfill that desire. “This summer I got the opportunity to travel to South Africa for a marine biology internship. I learned so much and got to experience the beauty of South Africa first hand,” Hare said.



Stephanie Hare has made her mark on the women's soccer team already, scoring and assisting once this season.





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School of Drama alum participates in  
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# Lang Lang performs with PSO

## Star pianist joins orchestra to celebrate Year of the Dragon

Last Saturday was an extravagant night for the Pittsburgh Symphony Orchestra (PSO). A scarlet dragon-clad banner and other Chinese-themed decorations adorned the usually bare stage at Heinz Hall. Guests in ball gowns and tuxedos arrived in large numbers. Even Pennsylvania governor Tom Corbett and state senator Dominic Pileggi were in attendance.

Seven months after the Chinese New Year, the PSO opened its 2012-13 season with a celebration of the Year of the Dragon. With an excellent sampling of works and a special appearance by Chinese pianist Lang Lang, the PSO reminded Pittsburgh of its ability to perform impeccably while bringing in high-profile guest soloists.

Despite the décor, the first half of the program served less as a celebration of the Year of the Dragon and more as a celebration of the PSO. Giuseppe Verdi's "Overture" to *La forza del destino* was a strong and virtually flawless opener, and the famous "Wedding March" from Felix Mendelssohn's *A Midsummer Night's Dream* elicited "ahs" of recognition and excitement from the audience. The PSO clearly wanted to launch its new season with a bang, and it succeeded.

Just when the audience had likely forgotten about the theme — as it was too enraptured by the orchestra's performance — PSO music director Manfred Honeck playfully announced that the orchestra would "summon the dragon to Heinz Hall" with a fierce performance of Igor Stravinsky's *The Firebird*. As Honeck promised, the dragon arrived: Dancers carried a long, undulating paper dragon into the hall, amid loud gongs and clangs of traditional Chinese percussion.



Courtesy of Vergil Yu Photography via Flickr

After this entertaining departure from the program, Lang took the stage amidst wild cheers of excitement. Lang was a performer in every sense of the word: He was a delight to both watch and hear.

Although Lang was clearly a skilled musician without the extra flair, he still added drama to everything he played, almost to the point of dance. During violent passages, Lang bent close to the keys and trembled with energy; during calmer moments, he leaned back and stroked the keys. From his extravagant performing style, it was easy to see how this young superstar had charmed his way to the top. But while his style was charming, it sometimes made his performance seem less musically genuine.

After his performance, Lang received a full standing ovation and enthusiastic applause. Once the wildest cheers had died down, Lang even gave a brief thank-you speech — a rare move for a guest soloist. But to the audience's disappointment, Lang declined to play an encore.

With the Year of the Dragon theme as its backdrop, the PSO made a stunning and lasting impression on its first night of the season. Though Lang briefly stole the show, the message of the evening was clear: This is why you come to the orchestra. We can only hope to expect this level of performance from the PSO throughout the year.

The PSO's fall schedule continues next week with the New World Symphony, featuring renowned American-baritone Thomas Hampson. Carnegie Mellon Night at the PSO is this Saturday; discounted tickets are available for students.

**Rachel Cohen** | Assistant Pillbox Editor

World-renowned pianist Lang Lang — who is known for his dramatic performance style — played with the PSO last Saturday.

## Advice for awkward people

About nailing interviews and breaking addictions

**Dear Patrick,**

**I swung by the TOC last week, and I actually got a lot of interviews out of it! But I suck at talking to people. Have any interviewing advice?**

**Thanks, Generally Regret Entering Appointments, Tensely Evading Select Technical Wringers, Enter Any Knowledge Necessary for Exact Solutions Surrounding Interviews, Some Inquiries Need Technical Explanations, Requiring Vocation, Interviews Exterminate Work Shot**

**Dear GREATEST WEAKNESS IS INTERVIEWS,**

Talking to people in general is tough, but interviews aren't so bad. Just keep in mind, you're talking about your favorite subject: yourself! Remember, the company likes you already, otherwise you wouldn't be there. The interview is your chance to impress.

Technical questions are easy; just make sure you know your stuff beforehand. When it comes to the "situational" questions all the big companies ask, don't sweat them. If your interviewer is at all technical, they're rolling their eyes at all of them. You only need to worry if it's an HR person (HR people are terrible). Just try to get on your interviewer's good side. If they like you, you're in.

**Just like a first date, except you don't have to pay, Patrick Hoskins**

**Dear Patrick,**

**My addiction to the internet is getting in the way of doing my homework. I've tried blocking certain sites on my computer, but I always manage to give in to the addiction by finding new internet distractions. HOW CAN I MAKE IT STOP?**

**Sincerely, Just Understand, Need Kitten Images Everyday**

**Dear JUNKIE,**

The internet is a dangerous place. There's a fresh cat picture around every corner, and you think, "Just one more, it won't take too long. I can stop whenever." Next thing you know, it's four in the morning and those cat pictures have just gotten weird. I've been there, friend.

Welcome to internet rehab. Blocking those web pages is a good start, but it's too easy to unblock. Try editing your hosts.txt file to have "127.0.0.1" at the end of the file. This keeps you from connecting to the site. If that's too drastic, actually set time limits for yourself. Break your work down into smaller chunks, and after each chunk take a small break. Lastly, try getting away from your computer. You probably don't need it for most of your work. Just print out any online notes you need and go study in the library.

**Just don't bring your smartphone with you, Patrick Hoskins**

Need advice? Send queries to [advice@thetartan.org](mailto:advice@thetartan.org).



# Have your most stylish semester yet

These fall fashion tips will help you adapt your wardrobe to the cooler weather

Carnegie Mellon students with a penchant for style are adapting to the nippy autumn air with some fresh fall looks. New York Fashion Week left us inspired with Marchesa's gilded gowns and Marc Jacobs' punchy patterns, but infusing runway haute couture into the styles of busy students can often prove difficult. As the weather cools down, you may be tempted to throw on a pair of sweats before heading to class, but before you reach for your fleece, check out these simple yet classy alternatives to spice up your fall wardrobe.

## Colors

This season's richest hues include garnet (deep red looks great with anything), olive (matches every shade of denim), and shimmery gold with muted navy (a classic preppy pairing). Whether you choose to add a scarlet lip to an all black ensemble or slip on a gold and navy striped cardigan, seasonally appropriate colors can add a vibrant edge to any outfit. If you're feeling up to the challenge, try your hand at some Oscar de la Renta-inspired colors like peacock blue, salmon, or fuchsia, as displayed in his line at Fashion Week.



Noël Um | Junior Photographer

First-year Sara Fields wears a thick sweater layered over a collared shirt to stay warm and chic.



Noël Um | Junior Photographer

Junior business administration major Pooja Tripathi pairs a patterned skirt with a simple dark cardigan.

## Prints

Instead of opting for last season's boho-inspired, large-print floral, try a fresh mini-floral skirt in a fall color like navy or orange. Subtle animal prints can also amp up any classic outfit by giving it a sultry twist. Pair a simple Peter Pan-style button-down shirt and a pleated corduroy skirt with a leopard cardigan for a spin on classic prep style.

Fair Isle cashmere can be a cozy option for those crisp fall mornings. Combining your favorite Fair Isle sweater with a sweet, country-style gingham chino can give you a more laid-back look. For a more sophisticated alternative, twist the summer stripe by coupling it with a schoolboy blazer.

## Textures

Although it may be easy to reach for that favorite pair of jeans each morning, try to get creative with your fall fabrics. Tone down the velvet seen in Gucci, Burberry, and Lanvin's fall lines by incorporating smaller pieces of the elegant and luxurious fabric into your closet. You can combine style with practicality in a warm pair of eggplant velvet jeans or in an A-line velvet skirt.

Tweed can often be stereotyped as 1980s business suit or grandma chic, but you can transform the stiff fabric with a fitted, slate gray tweed blazer and black leather pants. If tweed still seems too formal for your casual university style, corduroys can serve as your fall staple instead. Choose a punchy color like mint green, coral, or magenta to complement a simple Oxford shirt or a beige pullover.

Herringbone and bouclé have brought warmth to a whole new level in fall fabrics. Usually on the thicker side, jackets and popovers in navy herringbone or bouclé can add texture to an otherwise bland outfit — check out your local J.Crew for some great options.

## Shoes

It is finally time to trade in those summer flip-flops for a pair of suede brogues or patent leather loafers, which double as great complements for both formal skirts and casual denim. Because the equestrian trend has returned this season, a pair of over-the-knee leather boots will be a staple this fall. Look for a boot that fits tight to the calf and has a matte finish. If you're feeling a bit edgy, try your hand at a Calvin Klein-inspired snakeskin pump.

Calvin Klein's Spring/Summer 2013 line at Fashion Week can also serve as a beacon of light for those still stumped at the prospect of changing their wardrobe. When in doubt, keep it simple: Minimalism goes a long way. Although many of you may be tempted by those statement graphic tees, last year's leggings, or a college sweatshirt, dare to try something new. If the task seems daunting, start out classic and trade in that T-shirt for a clean white Oxford.

## Noël Um | Junior Staffwriter



Noël Um | Junior Photographer

Leather brogues are a fall shoe staple.





# Broadway star sings intimate set

Ramin Karimloo performs to small audience at WQED

Broadway performer Ramin Karimloo put on an impressive and intimate show at 89.3 WOED headquarters in Oakland last Tuesday.

Karimloo is a well-known musical theater star, famous on Broadway for playing the Phantom in *The Phantom of the Opera* as well as playing the same role in the sequel *Love Never Dies*. Karimloo has also starred in the classic Broadway musical *Les Misérables* as both Enjolras and Jean Valjean, and is featured in the 25th anniversary recordings of both *Les Misérables* and *The Phantom of the Opera*.

The Iranian-born Canadian actor released a new album in April titled *Ramin*. The album includes many of his signature show tunes, as well as energetic pop music. Ramin's visit to WOED was part of his concert tour and, all in all, the concert was engaging and musically satisfying.

In the intimate setting of WOED's theater — the same where Mister Rogers was filmed — Karimloo was a joy to watch. He carried himself with a charisma that immediately attracted attention. With him were his band members and rising singer-songwriter Sheri Miller.

Although the audience was somewhat small, Karimloo's performance was anything but. He performed songs from his album, as well as original songs written by himself and longtime friend and actor Hadley Fraser. Additionally, he sang a few crowd favorites such as "Bring Him Home" from *Les Misérables* and *Phantom* ballad "Music of the Night."

In addition to providing stunning vocals, Karimloo played several instruments during the concert. From the guitar to the banjo to the piano, Ramin played and sang beautifully. The experience was quite different from seeing him on stage in one of his signature roles, yet it was just as entertaining and impressive.

Ramin Karimloo is best known for his role as the Phantom in *The Phantom of the Opera*. While extremely different from his performance on stage as the Phantom, he put on a beautiful show at WQED last week.

Surprisingly, Karimloo did not sing the famous "Til I Hear You Sing" from Andrew Lloyd Webber's *Love Never Dies*. This was an obvious disappointment to the crowd, for it was this song that introduced his voice to many of his current fans.

The backup vocals provided by Miller were unimpressive next to Karimloo's voice; she seemed to have trouble keeping the harmonies in tune. During the show, she performed one of her original songs, which, despite interesting lyrics, fell flat due to redundant chord progressions. Perhaps the concert would have been better with a backup vocalist as powerful and engaging as Karimloo himself.

Nevertheless, Karimloo put on a splendid show for his fan base in Pittsburgh. The concert ran a bit over two hours long, but did not feel at all lengthy. Karimloo's outstanding voice and tremendous stage presence held attention the entire time.

**Zachary Mendez** | Staffwriter



Courtesy of The Associated Press

## WRCT 88.3 FM Paperhouse On DJing

During the summer, superstar EDM DJ deadmau5 caused a bit of controversy when he wrote a Tumblr post that called out fellow DJs (and himself) for the lack of skill involved in DJing. He wrote, "I think given about one hour of instruction, anyone with minimal knowledge of ableton and music tech in general could DO what im doing at a deadmau5 concert."

As one might expect, throngs of DJs lashed out at deadmau5 for his oversimplification of their performances. While aspects like song selection are undoubtedly important when DJing, the more relevant point deadmau5 brought up is the lack of improvisation in the EDM world.

Most major EDM DJs show up to a venue not only with their DJ equipment, but also with a massive light and sometimes fireworks show — shows that are planned out, moment by moment. Although the DJ may be twisting knobs, triggering effects, running loops, and making dramatic gestures, these movements are all pre-planned.

I'm not saying lights and fireworks are a bad thing, but when it comes to the point when an artist lets his live act dictate his musical performance, I have a problem with it. Deadmau5 and most other EDM DJs are like pop stars who lip sync their shows because actually singing would interfere with their dancing.

The creative tools that modern DJs have at their disposal are endless, and part of being a DJ is reaching beyond your comfort zone. Don't plan out your sets track by track and don't script out your knob turning. There are scores of DJs who follow this, still have fancy flashing lights, and still lead the crowd into a dancing fury.

So go home and start DJing. You'll be a professional within the hour — unless it really isn't as easy as the man with a flashing mouse head makes it out to be.

**Alex Price** | Special to The Tartan

## top 10 on WRCT 88.3 FM

most played albums of the last week

- 1 Wild Nothing — *Nocturne*
- 2 Patti Smith — *Banga*
- 3 Robert Pollard — *Mouseman Cloud*
- 4 Passion Pit — *Gossamer*
- 5 Nicodemus — *Moon People*
- 6 Minus the Bear — *Infinity Overhead*
- 7 Golden Retriever — *Occupied with the Unspoken*
- 8 Dr. John — *Locked Down*
- 9 Various Artists — *Just Tell Me That You Want Me: A Tribute to Fleetwood Mac*
- 10 Faceless — *Autotheism*



# Court transcripts come to life in 8

Carnegie Mellon alum Rory O'Malley returns to campus for reading of 2011 play

Sometimes, fact is truly stranger than fiction.

Case in point: In *8*, defense attorney Charles Cooper stutteringly argues to Chief Judge Vaughn R. Walker that he doesn't need evidence to prove his case. It's absurd to the point of disbelief, but the most shocking part is that it actually happened — in the most talked-about court case of 2010, no less.

Audience members got to experience this absurdity first-hand last Monday in McConomy Auditorium when the School of Drama and Alumni Relations presented a staged reading of the play, featuring Tony Award-nominated alum Rory O'Malley (CFA '03).

*8* tells the story of the court case against Proposition 8, which amended the California state constitution to outlaw same-sex marriages. *8* is unique in that the entire play is compiled solely from interviews with the plaintiffs, quotes from media interviews, and court transcripts of the trial.

O'Malley, who co-founded the marriage equality advocacy group Broadway Impact, first had the idea for the play when a federal appeals court ordered that the video footage of the trial be sealed. He and the other co-founders of Broadway Impact, Gavin Creel and Jenny Kanelos, decided that it was important for the story of *Perry v. Schwarzenegger*, the court case in question, to be made public.

So, Academy Award-winning screenplay writer Dustin Lance Black combed through court transcripts and conducted interviews with the plaintiffs, then pieced together verbatim quotes to create *8*. The first reading

in New York City took place last year and featured an all-star cast, including Morgan Freeman, John Lithgow, and another Carnegie Mellon alum, Matt Bomer (CFA '01). Since then, over 275 readings have been held in 47 states.

If you didn't know that the play was taken straight from court transcripts, you would find its plot difficult to believe — the defense looks so inept that, were it fiction, you would roll your eyes at how one-sided the case seemed. But as O'Malley emphasized in a Q & A session after the reading, "Many times people thought that [Black] was writing it to make the other side look bad, [but] they really did look this bad.... I heard him say that he didn't think he needed any evidence in a federal courtroom, and it was shocking, but it's not that he didn't need any, it's just that he didn't have any."

While some of the material may be hard to believe, the reading, performed by O'Malley and a mix of Carnegie Mellon students and professors, made it more convincing by bringing the script to life. Since the actors were reading the script while performing, some occasionally stumbled over their lines, but the fumbling proved to be only a minor distraction.

Assistant professor of acting Cameron Knight wielded sharp wit as David Boies, one of the attorneys for the plaintiffs; by showing Boies' fierce intelligence, Knight made it easy to understand why any potential witness for the defense would fear Boies' cross-examination. Similarly, O'Malley showcased plaintiff attorney Ted Olson's incredible oratory skills, delivering his closing remarks so movingly that it makes one wonder how anyone could find court proceedings dry or dull.

On the other side of the aisle, associate professor of drama Ingrid Sonnichsen presented a deliciously despicable portrayal of Maggie Gallagher, the former president and co-founder of the National Organization for Marriage and an outspoken opponent of marriage equality.

The play's most compelling piece of evidence for marriage equality isn't actually from the trial, but rather from two of the plaintiffs: lesbian partners Sandy Stier (played by senior drama major Casey Anderson) and Kris Perry (senior drama major Emily Koch). In one scene during a court recess, they talk with their twin sons, Elliot (sophomore drama major Sawyer Pierce) and Spencer (sophomore drama major Steven Robertson) about the boys' classes and what the family will do after the trial.

Interwoven throughout their conversation are cuts over to Gallagher, who is expounding upon the the damage that homosexual parents cause their children. Through the juxtaposition, the ordinary family conversation, heightened by the actors' spot-on portrayal of family dynamics, becomes a profoundly touching counter-argument to Gallagher's rant.

*8* provides a captivatingly clear look at the Proposition 8 case and proves that the facts point decidedly in favor of gay marriage. O'Malley hoped that audience members who were undecided about the issue before seeing *8* would take the evidence presented in the play to heart.

Although he admitted that most of the theater and theater-going community tends to already support marriage equality, he said that the play can equip viewers with arguments and evidence that they can use to convince others. "We don't want to be preaching to the choir," he said. "But we are teaching the choir to sing."

If *8* is its inspiration, that choir is sure to come away singing a beautifully convincing melody.

**Anna Walsh** | Personnel Manager

To read *The Tartan's* full interview with Rory O'Malley, visit [thetartan.org](http://thetartan.org).

School of Drama alum Rory O'Malley talks about participating in a reading of *8* with Brad Pitt in Los Angeles during the Q & A after last Monday's reading. Meg Evans, LGBTQ Resources Coordinator, was also present during the Q & A.



Jennifer Coloma | Operations Manager





# NBC comedy lineup enters fall season

Some favorite comedies are entering their final days, while others are just starting up

It's starting to look a lot like autumn. At NBC, this means not only the beginning of a new season and some new shows, but also the beginning of the end for some of our favorite comedies.

## The Office

*The Office* has been a comedy warhorse since its stateside debut in 2005. Last season, its eighth, attempted to deal with the absence of Steve Carrell's celebrated portrayal of Michael Scott. Ed Helms, of *The Hangover* fame, took on the lead role and the inimitable James Spader joined the cast as another socially inept boss. Overall, it seems the show has struggled with sustaining its energy after Jim and Pam reached stasis in their marriage. They built the emotional core of the show in its early years and were responsible for its many great season-closing moments. But there's another reason to look forward to the ninth and final season. *The Office* plans to bring back Greg Daniels, the producer responsible for its highly successful first few seasons, and we can expect the return of many characters from

Dunder Mifflin's history to round out the show's life. The new season premieres Sept. 20.

## 30 Rock

*30 Rock*, a reliable comedy about the inner workings of an NBC variety show, is in a similarly sinking boat as is *The Office*. This season, set to begin Oct. 4, will be the last and will be abbreviated to only 13 episodes. Tina Fey's writing has earned the show a whole cabinet of awards, still holding the record for most Emmy nominations for a comedy in a single year. While the show has fewer plot strands to resolve than *The Office* does, the nuanced meta-comedy will be missed. The good news is that *30 Rock* has never slowed down. Perhaps it has become a bit monochromatic as a number of characters begin to settle down, but the subtle, smiling satire of Kenneth Parcell still bites and Tracy Jordan's loose cannon antics continue to inspire the best use of brief flashback since *Arrested Development*. It's still a marvelous show and, thankfully, we'll get to hear more of Jack Donaghy's election commentary.

## Parks & Recreation

*Parks & Recreation* remains the only comedy that is relatively stable as it enters its fifth season, despite having the poorest ratings of them all. Luckily, it's only

getting stronger as the fictional town of Pawnee keeps developing itself into the most vivid local portrait on television. Amy Poehler, Nick Offerman, and Aziz Ansari continue to turn in strong readings of Michael Schur's writing. As Leslie Knope's love interest, Ben, takes off for Washington, we will get to see a masterful crew of filmmakers juggle two locations and the physical separation of a great on-screen duo. The absurd antics of Chris Pratt's Andy Dwyer are as endearing as ever and, as the season four finale suggested, he will be attempting to join the Pawnee police force in upcoming episodes. The new season premieres Sept. 20.

## The New Normal

Ryan Murphy, the creator of shows *Nip/Tuck*, *Glee*, and *American Horror Story*, has added a new show to the NBC comedy group that has stirred up plenty of talk since its debut last week. *The New Normal* wrestles with the desire of a young, married gay couple to start a family. *Glee* fans will recognize the show's attempt to deal with multiple viewpoints and arguments while looking to tolerance as a moral scoreboard. The show is based on Murphy's real-life experience of trying to adopt.

**Matthew Zurcher** | Junior Staffwriter

**Matthew Zurcher** | Junior Staffwriter



McConomy Auditorium, University Center

## The Cambridge Footlights

Friday, Sept. 21  
8 10

If you've yet to experience The Cambridge Footlights, get thee hence to McConomy Auditorium for a universally acclaimed hour of British sketch comedy, presented by Scotch'n'Soda. The Footlights are the nurturing environment out of which many of the greatest modern comedians have risen, including John Cleese, Stephen Fry, Hugh Laurie, Julian Fellowes, and Douglas Adams. The troupe never fails to deliver a brilliant blend of comedy styles ranging from Python to Kaufman.

## Prometheus

Saturday, Sept. 22  
7 10 1

After an endless, deliberately vague marketing campaign that offered enough for even the most tepid fanboy to squeal, *Prometheus* arrived to general satisfaction in June, proving that it was indeed a prequel to the *Alien* franchise. Despite the film's messy plot structure, it is impossible to deny that Ridley Scott delivers a series of shimmering designs captured with his usual cinematic chutzpah.

Noomi Rapace establishes herself as a capable multilingual actress in her first major English performance, playing Elizabeth Shaw, a strong woman of devout faith. Charlize Theron is Meredith Vickers, a suspicious suit. And, of course, Michael Fassbender turns in a moving, nuanced portrait of David, an android more human than many of the other characters.

## Alien

Sunday, Sept. 23  
8 10 12

The granddaddy of all sci-fi horror — or perhaps the grandmama? — *Alien* still stands as the greatest triumph of Ridley Scott's career. It demonstrates an impeccable control of suspense absent in *Blade Runner* and a patient, multilayered visual language that had disappeared by the arrival of *Gladiator* in 2000.

*Alien* tells the simple tale of a space-exploration crew trying to return to Earth. Sigourney Weaver's Ellen Ripley has become an enduring icon in both cinematic history and feminist fiction, and the film boasts some of the boldest art design in recent memory, created by the twisted, genitalia-obsessed H.R. Giger. The final 15 minutes are a model of suspenseful editing and a triumph of visual effects. *Alien* is one of the best films of 1979 and is required viewing for any fan of sci-fi or horror.



# Imperfect Health provides societal health report

## New Miller Gallery exhibit features thought-provoking pieces of social commentary

by **Laura Scherb** | Junior Staffwriter

The *Imperfect Health* exhibit at the Miller Gallery isn't just art — it's a collection of thought-provoking pieces that range from the ordinary to the wildly imaginative. The pieces are part of a strikingly relevant social commentary and a deafening statement about the future of the world that will resound with students from every major and discipline.

The exhibit, which opened last Friday, is focused on the medicalization of architecture, and urban and landscape design. It is curated by Giovanna Borasi and Mirko Zardini, who are both architects and curators at the Canadian Centre for Architecture in Montréal, which organized the exhibit. The exhibit's pieces question whether health is the responsibility of the individual or society through analysis of architecture and other cultural components.

According to the gallery guide, Pittsburgh's main industries since its steel days have been health care and technology — two important aspects of the show's major themes — making it an ideal city for the exhibit.

The project began as a way to study the effects that have resulted and will result in the future from the medicalization of all areas of society, but especially architecture. "Our goal with this exhibition is to investigate the backside and the gray zone that architects don't want to speak about.... We're examining the ideas of urbanism, efficiency, speed," said Zardini, who came in with co-curator Borasi from Montréal to give a special tour of the exhibit.

"It's hard to find something that hasn't been embodied by humans," Borasi said. "We're studying and showing the unexpected consequences of work, like urbanization on nature for example. It's just difficult to define, with a clear line, what is good and bad, and what is healthy and unhealthy right now for the future."

The exhibit features a wide variety of art forms: plans for mass pork production, a paper sculpture that represents mad cow disease, photographs of green spaces in cities, video clips of trees, diagrams of cells, music videos against e-waste, infrared images of parks, toy figurines from the movie *Wall-E*, and visualizations of air toxins and dust particles.

Each floor of the three-story exhibit is themed. The first focuses largely on food production and agriculture, the second on green living in cities and urban development, and the third on physical health and aging.

"...Because our bodies are the only thing left to us. Years ago, we had the possibility of improving and making



Courtesy of The Miller Gallery

Guests at the opening reception last Friday explore the exhibit after a guided tour with the curators.

progress to share in our society. We had a collective hope for a better future. But now, the faith in the collective, the hope for a better future, has been lost. Mentally, we protect all that we have left," Zardini said about the focuses of the exhibit.

A heavy emphasis on the future of architecture and, in a broader sense, society, gives the exhibit an almost futuristic feel. However, each floor features boxes on the wall that focus on a theme in the news, bringing it back to the present. The news themes include epidemics, obesity, allergies, asthma, cancer, and aging; the articles date from the 1920s to as recently as a few months ago. The staff will continue to update these boxes with current events as they occur.

Additionally, Borasi and Zardini have included the stairs and elevators in the exhibit. Zardini explained that the elevator is a prime example of the medicalization of architecture. Although it was originally created to make life easier both for those who have trouble going up and down the stairs and those who don't, the elevator has now taken on a negative connotation.

"It's now considered a way to enable obesity," Zardini said. "And since personal health is now a public concern,

architects are now trying to hide the elevators in their designs."

The exhibit has been under construction since the summer, with student employees from all disciplines coming together to help get it up and running. While many students in design and art management are involved with the gallery, other majors and programs are represented as well.

Sophomore computer science major Eugene Scanlon was part of the tech crew that helped compile the exhibit's technical features, including televisions, DVD loops, and projectors. "It's a great exhibit to come to, because there's so much interesting stuff. I think it'll really help people think about things outside of their majors," Scanlon said.

The exhibit is full of surprising details that give visitors a complete experience. For Friday's event, the female student workers and staffers donned paper nurses caps, a small but clever nod to the nuances of the exhibit.

Overall the exhibit is clearly laid out, but is slightly overwhelming at times. The focus is extremely broad and dynamic, with futuristic architecture in one corner

of a room, scientific research on domestic dust in another, and a study on aging in yet another. Walking through, it's difficult to discern what exactly the curators' message is. Without hearing firsthand the personal statements of the two curators, as visitors on Friday did, it may be nearly impossible to derive the exhibit's sophisticated meaning.

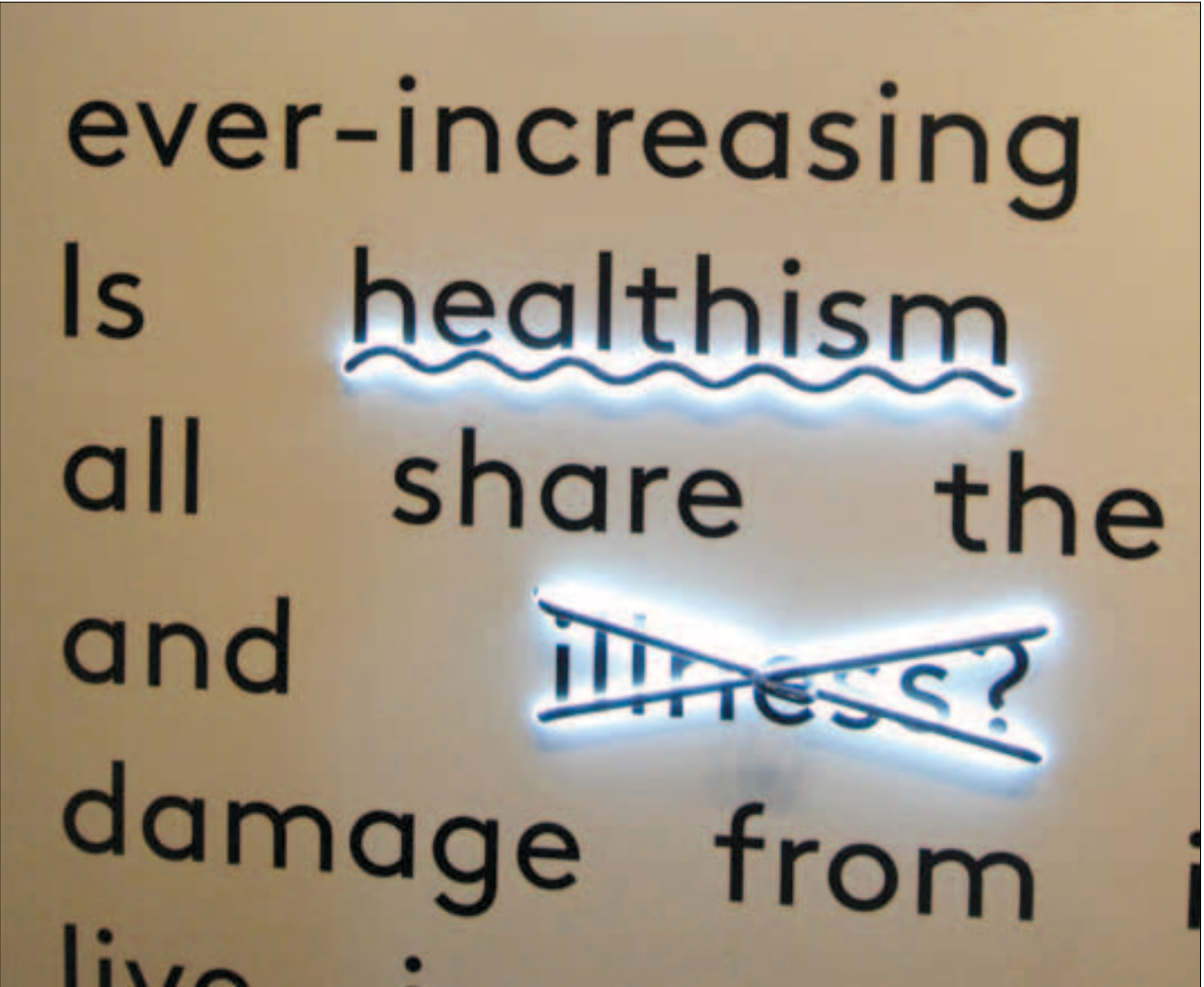
There is a clear emphasis on architecture that winds throughout, however, as emphatically discussed by the curators: "The object of architecture should not be to find a cure or a solution [to the health and industry problems] that exist. It should be to propose something to take care of us," Borasi said.

It's challenging to meld the three themes of food production, urban planning, and health and aging into one project that has a cohesive thread, but the information presented is relevant and sobering. Whether or not you can synthesize an easy explanation from the exhibit, it will no doubt leave you with much to think about and new perspectives from which to regard everyday objects and events.

The exhibit is educational and analytic, and is perhaps best described as a societal, physical, and mental health report. Rather than showcasing theme-centered works of art, the exhibit invites critical thought by displaying scientific evidence pertaining to the present state of society and the possible consequences of trying to solve these problems.

"This was the hardest exhibit we've ever created," Zardini said. "We don't have a slogan or a quick thing we can give you to go and tell people about what you've seen here. You don't walk out with a clear-cut conclusion, just a lot of things to think about."

*The Miller Gallery is located in the Purnell Center for the Arts and will feature Imperfect Health until Feb. 24.*



Kate Groschner | Staff Photographer

*Imperfect Health* employs a wide range of mediums and raises serious questions about food production, urban planning, and health and aging.



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# Did you know?

100  
years ago

Oct. 10, 1912

The Tartan advertises its subscription rate at \$1 for an entire school year, or five cents per issue. Additionally, students wishing to share an issue with a loved one back home can leave five cents and the address in The Tartan office. Five cents is all the paper asks to mail an issue out of town.

50  
years ago

Sept. 3, 1962

First-year students are asked to share their impressions of Carnegie Tech. Answers offered include, "I wondered where the rest of the girls were," "What is this thing called sleep?" and "I can't walk on the grass." Despite the school's name change, Carnegie Mellon hasn't seemed to change much.

25  
years ago

Sept. 15, 1987

Students address issues they have with overcrowded classrooms. Porter Hall's basement is cited for rooms 19 A – C, 20, and 21 being allowed to seat 60 people. Students question whether moving classes to later in the day would benefit both those registering and the overcrowding problem.

10  
years ago

Sept. 16, 2002

Another Carnegie Mellon innovation: the first emoticon. Two School of Computer Science doctoral students, Mike Jones and Jeff Baird, discover the original use of the ":-)" on a Computer Science general board at Carnegie Mellon. Their research suggests the smiley first appeared at Carnegie Mellon in 1982.

5  
years ago

Sept. 17, 2007

With the Business Opportunities Conference and Technical Opportunities Conference looming in the near future, The Tartan breaks down which companies students in each major should focus their attention on. Even College of Fine Arts students and English students are provided with options.

1  
year ago

Sept. 19, 2011

A big week in women's varsity athletics excites teams for the future of the season. Women's volleyball and soccer teams each bring home their fourth consecutive win of the season. Men's sports fall behind the women's for the week.

Catherine Spence | Staffwriter

# Rock band mesmerizes audience

## AWOLNATION captivates with rebellion, romance, revolution

The powerful bass vibrations and skin-prickling vocals of AWOLNATION were heard at the Altar Bar last Thursday in a sold-out show that disappointed no one.

The California-based band rose to its current stardom last year with the release of its epic single, "Sail," and is also known for songs like "Burn it Down," "Guilty, Filthy Soul," and "Not Your Fault." Recalling the screaming vocals of Nirvana, elating chorus characteristic of gospel, and bassy tones of dubstep, the group's music cannot be placed in any one genre, making its recent album *Megalithic Symphony* fall into "a genre of my own," as lead singer Aaron Bruno said in an interview before the show.

White Wives, ZEALE, and Imagine Dragons — three acts ranging from hard rock to hip-hop — opened for AWOLNATION, reflecting the wide range of the band's music. Although White Wives' intense guitar lines invoked no more than slight head-nodding in the audience, ZEALE's indie hip-hop sound provoked a remarkable increase in energy in the crowd. By the end of Imagine Dragons, the audience was buzzing with adrenaline.

Throughout the show, AWOLNATION's Bruno maintained a strong bond with the audience. "I prefer smaller venues like the Altar Bar because you feel intimate with the crowd," he said. This intimacy was definitely present during the show as he masterfully conducted the crowd's energy throughout the night. During the vitality-packed hit, "Burn it Down," he told the audience to get close to the ground and, after a few seconds of slow guitar-strumming and tooth-grinding efforts to resist jumping, the crowd simultaneously leaped up in the air and wildly danced to the song.

The band maintained a balance between intense and soft emotions throughout the night. During one of the calmer songs, Bruno asked members of the crowd to put their arms over the shoulder of the person standing next to them, "Even if you don't know them — especially if you don't know them." Later in the night, he shared a particularly intimate moment with the audience when, having been left alone on stage, he broke into a genuine, heartfelt rendition of "Lean on Me" by Bill Withers, offering his lone voice to the audience in all its imperfection.

As a whole, AWOLNATION's excellent performance at the Altar Bar can be explained by the same factors that make its songs go beyond the boundaries of simple likeability:



Courtesy of Chuff Media

Lead singer Aaron Bruno led AWOLNATION's energetic and engaging show at the Altar Bar last Thursday.

The equilibrium between hope and desperation, rebellion and romance, wild guitar riffs and heavenly choruses gives its listeners an unintimidating, almost visceral feeling of revolution. Perhaps the band's tour motto best summarizes it: "Never let your fear decide your fate."

Su Baykal | Junior Staffwriter

# Sunnyledge



## Martini Hour 5-7 P.M.

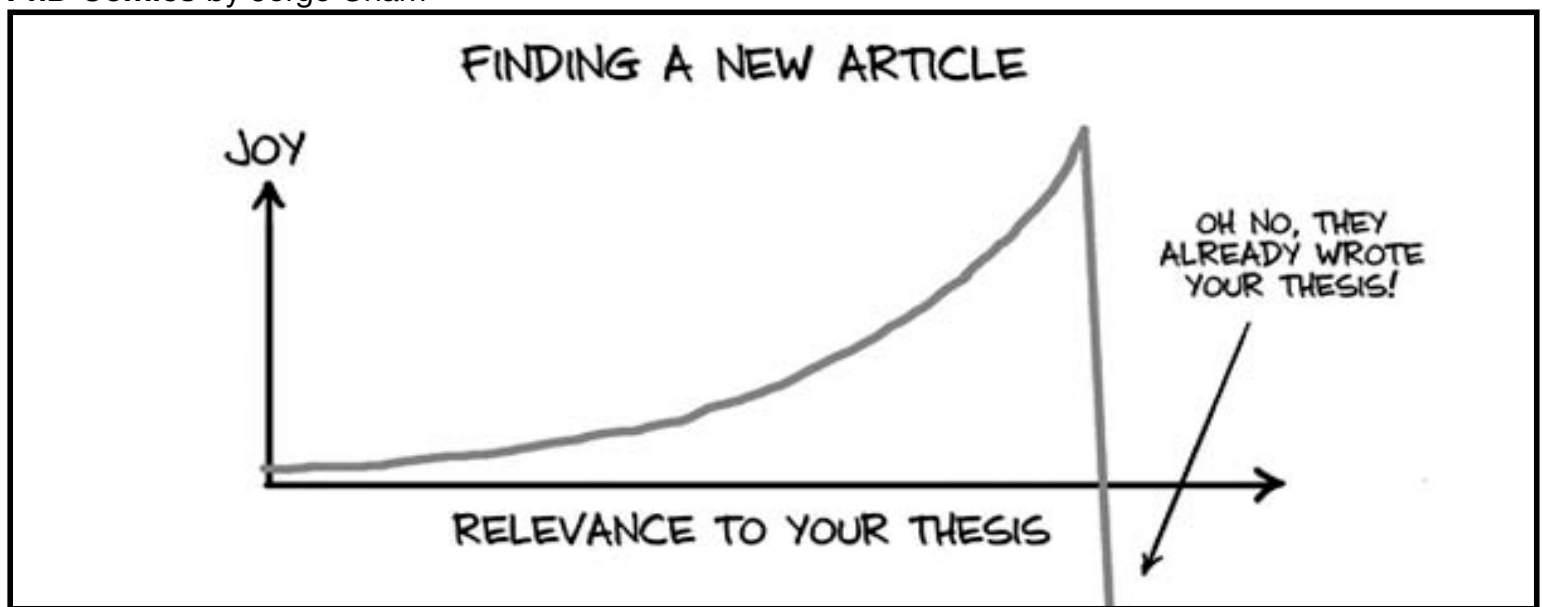
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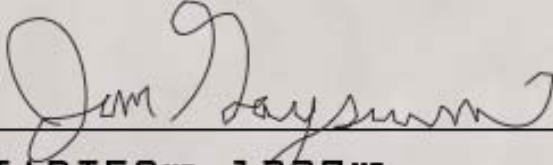
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Hark, a Vagrant by Kate Beaton



kathrynmoira@gmail.com



Sudoku Puzzle: Medium Difficulty

	5					7	3	
		7		3		5		
		6			7	8	1	
					2		9	7
6			4		5			1
2	8		7					
	9	8	5			4		
		5		1		9		
	6	2					7	

Sudoku courtesy of [www.opensky.ca/~jdhildeb/software/sudokugen/](http://www.opensky.ca/~jdhildeb/software/sudokugen/)

Kakuro Puzzle: Hard Difficulty

					11	10	22		14	20		
	3	7		23				11			18	
5				14				8				
11			29		16	5	9		12	17		
	15						10	25				
	12	34								23	4	13
8					3				7			
18				11	11			3	10	20		
		21	39								18	
	17						16					
	5			15			10	23			12	
	24			8					11	24		
				9						4		
			9		22							

Kakuro courtesy of [www.krazydad.com/kakuro](http://www.krazydad.com/kakuro)

Fill all empty squares using numbers 1 to 9 so the sum of each row equals the clue on its left, and the sum of each column equals the clue on its top. No number may be used in the same row or column more than once.

## Solutions from Sept. 10, 2012

1	A	S	C	A	P	11	S	T	A	G	18	R	E	A	M
15	P	E	A	B	O	11	A	M	E	R	18	I	S	L	E
17	A	R	R	A	U	11	L	A	D	E	15	A	T	O	N
19	R	A	T	T	L	E	12	N	E	E	D	L	E	S	S
12							14	T	R	E	12	S	T	A	T
22	E	N	S	U	R	E	S	11	I	D	O				
12	S	I	S	S	Y	12	S	C	O	N	E	14	A	L	A
13	A	L	T	A	11	B	E	I	N	G	12	R	T	E	S
10	U	S	S	11	P	A	N	D	A	12	L	E	A	V	E
14							14	A	O	L	12	I	D	I	O
11							11	C	H	I	L	L	Y	11	R
10	H	O	O	S	E	G	O	W	11	P	I	N	E	A	L
10	M	O	L	L	11	A	K	I	N	12	T	O	R	S	O
10	O	L	D	E	11	M	E	S	S	12	E	A	G	E	R
10	S	S	S	S	11	E	L	E	A	12	D	H	O	T	I

Crossword

7	2	6	3	1	8	5	9	4
4	3	1	2	9	5	8	7	6
8	9	5	6	7	4	2	1	3
5	4	9	1	8	6	7	3	2
3	1	8	4	2	7	9	6	5
2	6	7	9	5	3	4	8	1
1	8	4	5	3	9	6	2	7
6	7	2	8	4	1	3	5	9
9	5	3	7	6	2	1	4	8

Very Hard Difficulty

		11	8					
		4	1	3		30		
	11							
24	9	2	5	8			3	
7	2	5		8	7	1		
			17					
	22	3	8	9	2			
			15	9	6			

Easy Difficulty



# Sloth-o-scopes

aries

march 21–april 19

Your hypothesis is correct. Rush through the test so that you can get to the conclusion and get out of the lab.

taurus

april 20–may 20

Don't time your presentation. Life is short and you're too busy to waste that kind of time.

gemini

may 21–june 21

Why look in that big book for the correct verb? The whole point of learning a language is to immerse yourself in the lives of others, and people make mistakes all the time.

cancer

june 22–july 22

You used the right equation, so don't seek confirmation by looking in your notes. Move on to the next problem set.

leo

july 23–aug. 22

Why look for bugs in your program? You have been working on it for the past five hours — what could possibly be wrong with your code?

virgo

aug. 23–sept. 22

Skip rehearsal — you're dripping with natural talent. Rehearsal will just get in the way of sleep.

libra

sept. 23–oct. 22

Trust me, the whole crew read every page of your packet and fully understands the play's history. No need to sit and talk about dead people.

scorpio

oct. 23–nov. 21

No need to double check; you know what you're doing. I'm sure it's level. Is there really such a thing as a straight line?

sagittarius

nov. 22–dec. 21

Add more yellow and then you're done.

capricorn

dec. 22–jan. 19

Just pick any thesis sentence; your argument will be fine.

aquarius

jan. 20–feb. 18

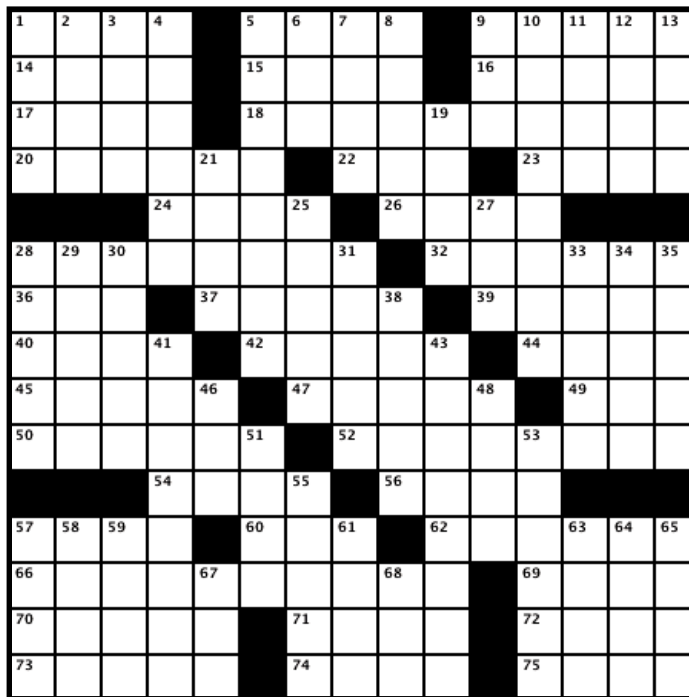
Just pick a disorder and a friend, and fill in his or her behavior as you see fit. Trial tests and observations are for losers.

pisces

feb. 19–march 20

Don't check that solution. The answer has to be zero.

Nicole Hamilton | Comics Editor



Crossword courtesy of *BestCrosswords.com*

## ACROSS

- Latin 101 word
- Tied
- Seine spot
- Travel on
- Ethereal: Prefix
- Actress Graff
- La Scala solo
- Property
- Outlaw
- \_\_\_\_-mo
- Med. care providers
- Phil of folk
- Part of A.D.
- Flatboat captain
- Drunk
- Mineral suffix
- Golden Horde member
- Monetary unit of Zambia
- Type of tide
- More current
- Sentry's shout
- Entrances
- Satisfied
- Debussy's "La \_\_\_\_"
- Mountain spinach
- Bonfire
- No way
- Wife of a rajah
- Winder for holding flexible material
- Louis XIV, e.g.
- Benzene derivative
- State in the W United States
- Deuce topper
- Very, to Verdi
- \_\_\_\_ Fein
- Frost
- Severe
- Coup d' \_\_\_\_
- Days of \_\_\_\_

## Down

- Bedouin
- Paul Sorvino's daughter
- Score after deuce
- Privateer
- Terran
- Flight formation
- Periods of history
- Nabisco's \_\_\_\_ Wafers
- Greek letters
- In spite of the fact
- 500 sheets
- Division preposition
- Meets with
- Ages and ages
- Rapper born Tracy Marrow
- Satisfies
- Prefix with profit or fiction
- Number game of chance
- Shed \_\_\_\_
- Gaucha's rope
- Governor in Mogul India
- Hindu teacher
- Conger catcher
- Raison \_\_\_\_
- Pave over
- Unusual
- Medicine for muscle strain
- Pipe down!
- Contradict
- Schilling replacement
- Completely dirty
- Stallion, e.g.
- Some DVD players
- 3:00
- Ultimatum word
- What's \_\_\_\_ for me?
- Switch ending
- Approach
- Fictional Jane
- Fish appendage
- One \_\_\_\_ million





**MONDAY** 9.17.12

**GZA.** Altar Bar. 7:30 p.m.

Hip-hop artist and founding member of Wu-Tang Clan GZA will perform at the Altar Bar. Sweet Valley, Killer Mike, and Bear Hands will also perform.

**TUESDAY** 9.18.12

**Metric.** Stage AE. 7 p.m.

The Canadian indie rock band, fronted by Emily Haines, will perform at Stage AE with Canadian shoegaze group Half Moon Run.

**The Hood Internet.** Rex Theater. 9 p.m.

Chicago-based production duo The Hood Internet will perform at Rex Theater. The duo specializes in creating mashups of hip-hop and indie rock. Body Language, My Gold Mask, and Oscillator Bug will open the show.

**WEDNESDAY** 9.19.12

**Beats Antique.** Mr. Small's Theater. 8 p.m.

Mr. Small's Theater will host a night of experimental electronic and world beat music from Beats Antique.

**THURSDAY** 9.20.12

**3 Doors Down.** Stage AE. 8 p.m.

Legendary late-'90s band 3 Doors Down will play its signature grungy alternative rock at Stage AE.

**FRIDAY** 9.21.12

**Portraits of a Garden, Brooklyn Botanic Garden**

**Florilegium.** Hunt Institute for Botanical Documentation, Hunt Library, Fifth Floor. 9 a.m.

The exhibit will showcase work from 48 American botanical artists who are creating an archive of watercolors and drawings of the plants at the Brooklyn

Botanic Garden. The selected pieces will be displayed with historical printed volumes from the Hunt Institute's collection. The gallery operating hours are available at [huntbot.andrew.cmu.edu](http://huntbot.andrew.cmu.edu).

**Strange Attractors screening.** Pittsburgh Filmmakers (477 Melwood Ave.). 8 p.m.

*Strange Attractors: Investigations in Non-Humanoid Extraterrestrial Sexualities* includes the work of 70 artists, writers, and filmmakers who explore possible extraterrestrial life forms and their various sexual desires. The screening will include a selection of videos from the DVD with live readings by local writer Ed Steck and Carnegie Mellon associate professor of art Suzie Silver. A release party will follow the free screening.

**Kode9.** 6119 (6119 Penn Ave.). 10 p.m.

London-based electronic DJ Kode9 will perform with Depth One.

**SATURDAY** 9.22.12

**Pittsburgh Zine Fair.** Wiegand Gymnasium. 11 a.m.

The second annual Pittsburgh Zine Fair will take place this Saturday on Carnegie Mellon's campus, featuring work from 40 local and regional zine-makers. The fair will also include workshops, demonstrations, and panel discussions.

**White Cube, Green Maze opening.** Carnegie Museum of Art. 10 a.m.

*White Cube, Green Maze: New Art Landscapes* will open at the Heinz Architectural Center. The exhibit includes models and drawings by architects and landscape architects who have worked on collaborative projects, focusing on six sites from around the world: the Olympic Sculpture Park (U.S.), Stiftung Insel Hombroich (Germany), Benesse Art Site Naoshima (Japan), Instituto Inhotim (Brazil), Jardín Botánico de Culiacán (Mexico), and Grand Traiano Art Complex (Italy).

## Classifieds

**TUTOR NEEDED FOR 4th GRADER** Student at Oakland area school needs a devoted tutor for ongoing support in math and reading. Transitioning from India to U.S. educational system. 3-5 hours a week in Oakland area. Hindi speaking a plus. Please provide background information, availability, and requested rate. Contact me at: [aug142000@yahoo.com](mailto:aug142000@yahoo.com)

**Agency Contact Representative** - Be part of an energized, fun and productive team. We are looking for someone who's upbeat, talkative, friendly, and projects a good attitude. Candidates who don't accept "NO" too easily. Part-time \$10/hr. 412-874-1893

### ONGOING

**Feminist and...** The Mattress Factory. Through May 26. This exhibit features works by six female artists from around the world, aiming to show that feminism is a multivocal, multigenerational, and multicultural movement, not a single-issue set of political beliefs. The exhibit is guest-curated by Carnegie Mellon professor of art theory and criticism Hilary Robinson.

Compiled by **Allison Cosby** | Pillbox Editor

Want your event here?  
Email [calendar@thetartan.org](mailto:calendar@thetartan.org).

FRIDAY - SUNDAY!



PITTSBURGH SYMPHONY ORCHESTRA  
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## NEW WORLD SYMPHONY

Fri, Sept. 21 • 8PM \ Sat, Sept. 22 • 8PM \ Sun, Sept. 23 • 2:30PM

Manfred Honeck, conductor

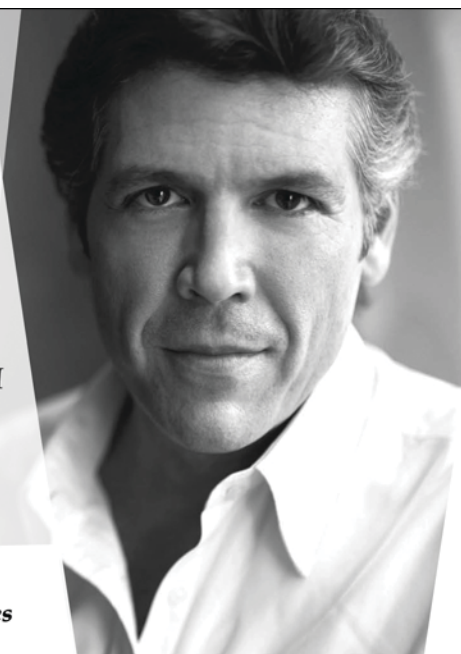
**Strauss:** Concerto No. 1 for Horn & Orchestra

**Strauss:** *Orchestral Songs*

**Dvořák:** Symphony No. 9, "From the New World"

**Thomas Hampson, baritone**

"clarion power and burnished tone" -Los Angeles Times



## CARNEGIE MELLON UNIVERSITY NIGHT

Saturday, Sept. 22

Post-concert dessert reception  
included in ticket purchase

**STUDENT TICKETS ONLY \$15**  
FACULTY AND STAFF \$20

Subscribe for the best seats\* and to avoid missing out on sold-out concerts! \$20 student rush tickets available at Heinz Hall two hours prior to concert\*  
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# rolls.



Courtesy of Guillermo Gomez

It's never too early to start preparing for Sweepstakes. Last Sunday saw the first day of rolls on Frew Street. Student Dormitory Council (SDC), Carnegie Involvement Association (CIA), and SPIRIT, from top to bottom, were three of the teams that rolled on Sunday. The first day of rolls was scheduled for Saturday, but had to be postponed because the "no parking" signs had not been put in place.

